The University of Southern Mississippi

Bulletin 1980-81

Undergraduate

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UNIVERSITY OF SOUTHERN MISSISSIPPI BULLETIN

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1980-1981

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CALENDAR

SUMMER TERM 1980

Tuesday, May 13
Deadline for making application for admission

Monday, June 2
Registration by appointment
Orientation for freshmen and transfer students
Only day to register for full or first term courses without late fee.

Tuesday, June 3
8:00 a.m. Classes begin
1:30 p.m. Late registration begins
6:30-8:00 p.m. Tuesday night classes meet (this week only)
8:30-10:00 p.m. Thursday night classes meet (this week only)

Wednesday, June 4
6:30-8:00 p.m. Monday night classes meet (this week only)
8:30-10:00 p.m. Wednesday night classes meet (this week only)

Thursday, June 5
6:30-10:00 Thursday night classes meet as scheduled

Friday, June 6
Last day for registering or adding first term courses

Wednesday, June 11
Last day for registering or adding full term courses
Last day for dropping first term courses

Monday, June 30
Last day for dropping full term courses without academic penalty

Thursday, July 3
End of first term (q) courses

Friday, July 4
Independence Day Holiday

Monday, July 7
Second term (qq) courses begin
Registration for second term (qq) courses begin

Wednesday, July 9
Last day for registering or adding second term courses

Monday, July 14
Last day for dropping second term courses

Friday, August 8
Last day of regularly scheduled classes

Monday, Tuesday, Wednesday, Thursday, August 11-14
Summer term examinations

Thursday, August 14
7:30 p.m. Commencement

FALL SEMESTER 1980

Hattiesburg Campus

Friday, August 8, 1980
Deadline for making application for admission

Saturday, August 23
Dormitories open for students with definite room assignments

Sunday, August 24
8:00 a.m. Dormitories open for all other students
1:00 p.m. Registration by appointment (Mini-Quarter students)

Monday, August 25
8:00 a.m. Registration continues
8:00-10:00 a.m. Orientation for freshmen and transfer students who did not attend summer orientation
10:00-11:55 a.m. Placement tests for new students

Tuesday, August 26
8:00 a.m. Registration continues

Wednesday, August 27
8:00 a.m. Classes begin
1:30 p.m. Late registration begins
6:30-7:45 p.m. Monday night classes meet (this week only)
8:00-9:15 p.m. Wednesday night classes meet (this week only)

Thursday, August 28
8:15 a.m. Change of schedule begins
6:30-7:45 p.m. Tuesday night classes meet (this week only)
8:00-9:15 p.m. Thursday night classes meet (this week only)

Monday, September 1
Labor Day Holiday (night classes will meet)

Friday, September 5
Last day for registering or adding courses

Thursday, October 2
Last day for dropping a course without academic penalty

Friday, October 17
Midpoint in Fall Semester
End of first term (q) courses

Monday, October 20
Second term (qq) courses begin

Tuesday, November 25
9:15 p.m. Thanksgiving holidays begin (night classes will meet)

Monday, December 1
8:00 a.m. Classes resume

Monday, December 8
Last day of regularly scheduled classes

Tuesday-Saturday, December 9-13
Fall Semester examinations

Friday, January 16, 1981
Last day to file application for undergraduate and graduate degrees.

SPRING SEMESTER 1981

Hattiesburg Campus

Friday, December 19, 1980
Deadline for making application for admission

Wednesday, January 7, 1981
Dormitories open

Thursday, January 8
8:00 a.m. Registration by appointment

Friday, January 9
8:00 a.m. Registration continues

Monday, January 12
8:00 a.m. Classes begin
1:30 p.m. Late registration begins
6:30-9:15 p.m. Night classes begin meeting at regularly scheduled times

Friday, January 16
Last day to file application for undergraduate and graduate degrees for May graduation

Tuesday, January 20
Last day to register or add courses

Monday, February 16
Last day to drop a course without academic penalty

Friday, March 6
6:00 p.m. Spring vacation begins
Midpoint in Spring Semester
End of first term (q) courses

Monday, March 16
8:00 a.m. Classes resume
Second term (qq) courses begin

Monday, March 30
USM Day

Thursday, April 16
Easter holidays begin (night classes will meet)

Monday, April 20
6:30 p.m. Monday night classes meet

Tuesday, April 21
8:00 a.m. Day classes resume

Wednesday, April 29
Last day of regularly scheduled classes
Last day to file application for undergraduate and graduate degrees for August graduation

Thursday, April 30
Reading Day

Friday, Saturday, Monday, Tuesday, Wednesday, May 1, 2, 4-6
Spring Semester examinations

Wednesday, May 6
7:30 p.m. Commencement

SUMMER TERM 1981

Tuesday, May 12	
	Deadline for making application for admission
Monday, June 1	
8:00 a.m.	Registration by appointment
	Orientation for freshmen and transfer students
	Only day to register for full or first term courses without late fee
Tuesday, June 2	
8:00 a.m.	Classes begin
1:30 p.m.	Late registration begins
6:30-8:00 p.m.	Tuesday night classes meet (this week only)
8:30-10:00 p.m.	Thursday night classes meet (this week only)
Wednesday, June 3	
6:30-8:00 p.m.	Monday night classes meet (this week only)
8:30-10:00 p.m.	Wednesday night classes meet (this week only)
Thursday, June 4	
6:30-10:00 p.m.	Thursday night classes meet as scheduled
Friday, June 5	
	Last day for registering or adding first term (q) courses
Wednesday, June 10	
	Last day for registering or adding full term courses
	Last day for dropping first term (q) courses
Monday, June 29	
	Last day for dropping full term courses without academic penalty
Friday, July 3	
	End of first term (q) courses
Monday, July 6	
	Second term (qq) courses begin
	Registration for second term (qq) courses begins
Wednesday, July 8	
	Last day for registering or adding second term (qq) courses
Monday, July 13	
	Last day for dropping second term (qq) courses
Friday, August 7	
	Last day of regularly scheduled classes
Monday-Thursday, August 10-13	
	Summer term examinations
Thursday, August 13	
7:30 p.m.	Commencement

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ADMISSION REQUIREMENTS AND PROCEDURES

ALL COMMUNICATIONS regarding entrance to the undergraduate colleges and schools of the University should be addressed to the Director of Admissions, University of Southern Mississippi, Southern Station, Box 5011, Hattiesburg, Miss. 39401.

Eligibility for admission cannot be determined until the application, ACT score, and scholastic records have been submitted. These items should be received before the deadline date of the semester for which the student is applying (see Calendar). The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character and must be willing to conduct his or her affairs so as to be a credit to the University. The University reserves the right to cancel the admission or registration of an individual whose attendance at the University, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to himself and to the institution. Any undergraduate applicant who is denied admission to the University may have his case reviewed by the Undergraduate Committee for Admissions and Credits. To initiate the review procedure, the student should contact the Director of Admissions. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information, The law appears in the STUDENT EXPENSES Section of this **Bulletin. The University of Southern Mississippi does not discriminate on grounds of sex, race, color, religion, or national origin. These provisions also apply to handicapped individuals pursuant to current federal and state regulations subject to reasonable standards of admission and employment.**

APPLICATION PROCEDURES FOR FRESHMEN

HOW TO APPLY

Each freshman applicant is required to:

1. Present an application for admission.
2. Have ACT scores sent to the Director of Admissions. The applicant should have a composite standard score of fifteen (15). For exceptions see information related to transfer students and non-degree students. Freshman applicants desiring to enter the School of Nursing must have an ACT composite standard score of eighteen (18). Those applicants whose scores are less than eighteen (18), but who meet the minimum University entrance requirement of a composite standard score of fifteen (15), may request admission to the School of Nursing after completing the first year nursing curriculum with a grade of C in each of the natural, behavioral, and social sciences, and achieving an overall grade point average of 2.50 on a 4.0 scale.
3. Provide evidence that he has graduated from high school. Each freshman applicant must request that his high school send an official transcript of his record reflecting the date of graduation to the Director of Admissions.

When the applications, transcript, and ACT results have been received, the Office of Admissions will send to the applicant notice of eligibility or ineligibility for admission. When the student applies early in his senior year, a notice of eligibility is issued as soon as processing is completed. This preliminary notice is all that the student needs for planning purposes, subject only to completion of his high school program.

WHEN TO APPLY

A high school student, especially one who also is applying for financial aid, is urged to apply for admission and financial aid early in his senior year. The applicant should have his high school mail to the Director of Admissions a transcript complete for his first six semesters. A student who applies during his final senior semester should provide a transcript complete for the first seven semesters. The deadline for receipt of applications and all required credentials, including results of the American College Test, is twenty (20) days in advance of the session for which the application is being made. An application is processed as soon as possible after all required items are available. A notification of admission is then issued to the admissable student.

EARLY ADMISSION

The University will admit a limited number of highly qualified applicants after completion of the junior year of high school. To be considered for early admission, the applicant must have achieved an exceptional record on a minimum of fifteen (15) units in an accredited high school, have the unqualified recommendation of his principal or headmaster, and have achieved a score of twenty-three (23) on the American College Test. A personal interview with the Director of Admissions is required before a decision is made.

ADMISSION BY EXAMINATION

A student who has not been graduated from high school may be admitted if he achieves a standard score of forty (40) on each of the five tests or an average standard score of forty-five (45) on all five tests of the high-school level General Educational Development Tests and meets all other University requirements. The University does not award credit for the General Educational Development Tests, College Level.

TRANSFER STUDENTS

HOW TO APPLY

Each new student who has attended other colleges or universities and who is seeking admission to an undergraduate college or school is required to file with the Office of Admissions an application for admission (form to be obtained from that office). He should also request the authorities at each institution attended to send an official transcript of his record to the Director of Admissions. The student who is applying with fewer than twelve (12) semester hours of college credit acceptable by this University must also have sent to the Director of Admissions his official scores on the American College Test. No application will be processed until all required items, including the ACT where applicable, are on file. Any exceptions must be approved by the Director of Admissions (see Non-Degree Students).

A student currently enrolled in another institution at the time he makes application and applying for admission for the following session to one of the undergraduate colleges or schools of this University should arrange to have forwarded to the Director of Admissions an official transcript which includes a listing of courses in progress as well as all completed work. On the basis of these partial credentials, a determination of admission status will be made pending receipt of the final transcript, thus enabling the student to make definite his plans for transfer. Transfer credit is accepted only from the institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Association of Colleges. Students entering from non-accredited institutions will be accepted as guest students for one semester (12 hours); at the end of that semester their status will be determined on the basis of their performance at the University of Southern Mississippi.

The student must indicate on the application all previous college attendance. An applicant is not permitted to ignore previous college attendance or enrollment. A student found guilty of non-disclosure or misrepresentation in filling out the admission application form, or a student who finds after admission or enrollment that he is ineligible for academic or any other reason to return to his last institution and who fails to report this immediately to the Admissions Office, will be subject to disciplinary action, including possible dismissal from the University.

REQUIREMENTS FOR SCHOOL OF NURSING

Transfer students desiring admission to the School of Nursing must have their ACT scores sent to the Director of Admissions in addition to the other information required of transfer students. To be admitted to the School of Nursing, the student must present an ACT composite standard score of at least eighteen (18) and an overall grade point average of 2.0 on all college courses attempted. Transfer students who do not meet the above admission requirements may be admitted to the School of Nursing provided they have completed all the courses required in the first year of the nursing curriculum with no less than a C in each of the natural, behavioral, and social science courses and have an overall quality

(grade) point average of 2.50 on all work attempted prior to admission to the nursing program. Students who do not meet any of the above requirements, but who do meet minimum entrance requirements for admission to the University, may request admission to the School of Nursing after achieving the required overall grade point average and completing with a grade of **C** each of the natural, behavioral, and social sciences required in the first year nursing curriculum.

WHEN TO APPLY

The application, required credentials, and the ACT results (when applicable) must be on file in the Admissions Office not less than twenty (20) days in advance of the session for which application is being made.

ADMISSION PROCEDURE

When the application, all required credentials, and the ACT results (if applicable) have been received, the Office of Admissions will send to the applicant a notice of eligibility, or ineligibility, for admission.

An evaluation of the transferred credit will be completed as soon as possible after the admission has been determined. If the student receives his evaluation prior to registration, he should retain it for use during advisement. If he does not receive his evaluation prior to registration, he should contact the Admissions Office as soon as possible after his arrival on campus.

REGULATIONS

The University requires a grade average of C in all previous college work. The applications of students whose records do not meet the indicated requirements may be subject to review by the Director of Admissions or the Admissions and Credits Committee.

A student under academic suspension from another college or university may not enter the University of Southern Mississippi during the term of his suspension. Upon termination of the suspension period there is no bar to admission, if he is eligible in other ways.

In general, students under disciplinary suspension are not admitted to the University of Southern Mississippi.

Students from fully accredited institutions ordinarily will be given full credit for work transferred into the University, insofar as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution.

Credits transferred from an accredited junior college will be accepted as determined by the college or school in which the student is enrolled. In accepting junior college credits, no courses will be considered as above sophomore level. Credit earned in institutions which have not been fully accredited is usually accepted on the same basis as by the state university of the state in which the institution is situated. When acceptance of credit on a validation basis is indicated, the student will be required to validate such credit by at least a 2.0 index on his first 12 semester hours of residency study here. Where it seems proper, examinations for the validation of credit may be required.

TRANSFER CREDITS

Credits transferred from accredited institutions are reproduced on the permanent records of the University of Southern Mississippi. This action is evidence that the credits are considered valid. **Validity,** however, is not to be confused with acceptability or applicability.

Applicability of transfer work depends upon the coincidence of transfer credits with the requirements of a particular curriculum. **Applicability** varies from curriculum to curriculum, not only for transfer students from other institutions but for students transferring from one school or curriculum to another within the University of Southern Mississippi. In either case the upper limit of the number of applicable credits is the number of accepted credits. **Applicability** is determined by the dean of the college or school to which one is admitted.

Transfer hours passed will be accepted. To meet graduation requirements transfer students must have an overall **C** average, calculated by the method currently in use at the University of Southern Mississippi, on all hours scheduled and rescheduled at all institutions attended, including the University of Southern Mississippi. Excessive quality points earned at other institutions cannot be used to offset any deficiencies at the University of Southern Mississippi. **Acceptance of junior college work is limited to one-half of the total requirements for graduation in a given curriculum. The last half of the total hours applied toward graduation must be earned in a senior college.** (See also "Graduation and Degree.")

A maximum of sixty-four (64) semester hours of credit earned through Credit by Examination, independent study courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at the University of Southern Mississippi. No more than thirty-two (32) semester hours in a degree program may be earned through Credit by Examination.

Credit will not be granted for college courses carried at another institution of college level when a student is enrolled for residence credit in this University except upon prior written approval of the dean of the college or university in which the student is enrolled.

ACCEPTANCE OF MILITARY CREDIT

1. The General Educational Development Tests at the High School Level are accepted in lieu of a high school diploma. The University does not award credit for the General Educational Development Tests, College Level.
2. Credit for military schools and educational experiences in the armed forces is awarded on the basis of recommendations of the American Council on Education.
3. Correspondence and/or extension courses, including USAFI/DANTES college level courses, may be applied toward a degree up to a maximum of thirty-two (32) semester hours. No more than nine (9) semester hours of correspondence (USAFI) work may be earned in any one field.
4. Credit from the Community College of the Air Force is accepted toward a degree.
5. A maximum of sixty-four (64) semester hours of credit earned by independent study, extension, and military experience combined may be applied toward a degree.

REQUIREMENTS FOR MILITARY PERSONNEL: THE BOOTSTRAP PROGRAM

Military personnel on active duty who attend the University on the Bootstrap Program may complete degree requirements with thirty (30) semester hours of work on the Hattiesburg campus, providing all other degree requirements have been fulfilled. This amount of work may be done in two semesters.

In order to receive an official evaluation of credits to determine eligibility for Bootstrap attendance, the following educational credentials must be forwarded:

1. A properly executed military Form DD295.
2. Official transcripts bearing the raised seal from each institution where credit has been earned.
3. Official transcripts and CLEP scores for courses completed through the United States Armed Forces Institute, Madison, Wisconsin.
4. Official high school transcript.
5. An application for admission should be submitted with the request for an evaluation.

All documents and correspondence should be directed to:

The Coordinator of Armed Forces Education
University of Southern Mississippi
Southern Station, Box 5011
Hattiesburg, Mississippi 39401

NON-DEGREE STUDENTS

WHO MAY APPLY

For the adult who wishes to complete certain specific undergraduate courses and not pursue a degree, the Director of Admissions may grant that person non-degree status provided the applicant meets these conditions:

a. Has a high school diploma or its equivalent
b. Must be at least 21 years of age.

REGULATIONS GOVERNING NON-DEGREE STUDENTS

Previous academic records are required of all applicants. Applicants for non-degree status are required to certify that they are not under suspension from any college or university. A student found guilty of non-disclosure or misrepresentation in filling out the admission application form, or a student who finds after admission or enrollment that he is ineligible for academic or any other reason to return to his last institution and who fails to report this immediately to the Admissions Office, will be subject to disciplinary action, including possible dismissal from the University.

The student registered in non-degree status is subject to all University regulations governing registration, attendance, and academic standing. Credit earned in non-degree status is recorded on the student's permanent record and may be applied in an undergraduate degree program when the student has satisfactorily established degree status by meeting the entrance requirements of the University and of the degree-granting college or school of his choice. A non-degree student may not register for more than nine (9) semester hours per semester.

It is not the policv of the University to permit students from other countries who are in the United States on a student visa to register in non-degree status.

THIRTY-HOUR LIMITATION ON NON-DEGREE STATUS

A student is permitted to earn a maximum of thirty (30) semester hours of credit in non-degree status. No undergraduate college or school of the University will accept in a degree program in excess of thirty (30) semester hours earned while the student has been registered in non-degree status, nor is a college or school obligated to accept any hours earned in non-degree status which do not fulfill college or school degree requirements. The student who is approaching the thirty (30) hour limitation in non-degree status, if he wishes to continue taking courses for credit, should consult the Admissions Office concerning procedures required to establish regular degree status.

Non-degree students applying for regular status are required to follow admission procedures and to provide all items requested of transfer students.

REQUIREMENTS FOR FOREIGN STUDENTS: REGULAR UNIVERSITY PROGRAMS

1. Foreign students without previous records at high schools, colleges, or universities within the United States must meet the requirements outlined above for admission as freshman.
2. If English is not the native language of the student , a score of at least 500 is required on the TOEFL (Test of English as a Foreign Language).
3. Because application processing requires more time for foreign students, all applicants residing outside the United States must submit all application materials at least **three months** before the proposed date of entry into the Univeristy. Foreign student applicants residing inside the United States must submit all application materials at least **two months** before the proposed date of entry into the University.
4. Foreign students who have already attended colleges or universities within the United States must meet the requirements outlined above for admissions as transfer students. The Test of English as a Foreign Language (TOEFL) may be waived if the transfer student has successfully completed all freshman English requirements with an average of 2.0 or better.

5. A ten dollar ($10.00) non-refundable fee must accompany the application for admission of each foreign student.
6. All foreign students should send documents and correspondence to:
   Foreign Student Admissions
   University of Southern Mississippi
   Southern Station, Box 5151
   Hattiesburg, Mississippi U.S.A. 39401

CAREER DEVELOPMENT CENTER

Career guidance can be defined as the process of assisting an individual to choose, prepare for, enter, and advance in a vocation. The following services are designed to assist individuals at any level of their career growth process:

Career Counseling—The goal of the career counselor is to help the individual make the best possible career and educational choices with the maximum information available. In career counseling, data from vocational assessment, the person's past experience, and the career library are combined to expand the individual's awareness of his/her areas of interest. Although the counselor utilizes and organizes information for the person and may interpret results from vocational assessment, responsibility for making vocational decisions always rests with the individual.

Individual Vocational Testing—Research evidence indicates that different occupations tend to attract different types of people in regard to interests, skills, abilities, and personal orientation. One purpose of vocational assessment is to help the individual identify possible vocational choices that would best meet his/her need needs and qualifications. Another purpose would be to help the individual compare himself/herself, in regard to many variables, with people in general, as well as with people in different occupational groups. Of ultimate value is enhancing knowledge of self to promote a better understanding of the merging of self and the world of work in order to further an individual's decision-making process in terms of career choice. Areas which may be assessed are intellectual abilities, educational interests, vocational interests, personality variables and values.

Career Information Library—A massive collection of current career-related materials pertaining to a wide range of career fields. Types of information available follow: job descriptions; places offering employment; necessary training and other qualification; advancement opportunities; employment outlook (immediate and long-term); expected salaries; working conditions; schools and organizations offering training; scholarships; grants and other available financial aid programs.

Job Finding Skill Development (Resume Preparation and Job Interviewing)—Mini courses are offered to develop skills needed to secure employemnt. Benefits include discussion, role playing, feedback, and special handouts including sample resumes, sample cover letters, sample follow-up letters, interviewing tips and admonitions, sample list of questions interviewers often ask, worksheets to begin composing resumes, etc.

The services of the Career Development Center are available by contacting in person, by telephone, or by mail:

Career Development Center
Southern Station, Box 5112
Hattiesburg, Mississippi 39401
Phone: 266-7111

ADVISEMENT

All new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study to meet their individual needs. Assignment of advisers is based on the student's stated educational or career plans. Those students who have not established definite educational or career plans are assigned to counselors in the Office of Special Academic Services. The Office of Special Academic Services provides a continuing program of academic and career counseling for all students and prospective students of the University.

ORIENTATION AND PREREGISTRATION: FALL SEMESTER

New fall freshmen and transfer students entering the University of Southern Mississippi are encouraged to participate in the summer orientation program, Mini Quarter. The orientation programs are designed to acquaint students with University structure, policies, procedures, physical layout, faculty, students, organizations, and academic programs. Activities scheduled during the program include: evaluation of credit for transfer students, placement testing, academic advisement, small group sessions, open house for sororities, fraternities, religious organizations, scheduling classes, and registration. Students will pay fees upon return in the fall.

Parents of freshmen are also invited to attend the summer orientation program. Special sessions are planned for parents which include University policies on finances, housing, student activities, educational and recreational opportunities, and academic programs. Panel discussions are planned for parents on current campus life.

THE ENGLISH LANGUAGE INSTITUTE

Foreign students interested in attending the English Language Institute at the University of Southern Mississippi for intensified studies in English should direct all correspondence to:

The Director of the English Language Institute
University of Southern Mississippi
Southern Station, Box 5065
Hattiesburg, Mississippi, U.S.A. 39401

COOPERATIVE EDUCATION

The Cooperative Education Program affords the student the opportunity to gain a complete education by alternating periods of academic study with periods of work related to the student's major. The Cooperative Education Office assists in securing meaningful jobs that will give the student practical work experience and financial support to aid in his education. The basic qualifications for the Co-op Program are as follows:

a. The student must maintain at least 2.00 GPA.
b. The student must attend USM or a regional campus at least one semester prior to his placement.
c. The student must agree to work alternating semesters.

A student is eligible to enter the program at any time during his career at USM. Transfer students who have been in a co-op program with another university may transfer into the USM program and maintain their original job.

Salaries of co-op students vary depending on the type of degree they are pursuing and the amount of co-op experience a student has. The median salary during the 1979-1980 school term was estimated at $700.00 per month.

The Office of Cooperative Education will determine the eligibilty of students to participate in the program and screen their placement. Each student's record of performance will be periodically reviewed, once an active participant, and he or she may be placed on probation or removed from the program when not meeting minimum requirements.

Academic credit for work assignment will be determined by the student's major department and is not necessarily a part of the program.

For additional information, contact the
Cooperative Education Coordinator
Southern Station, Box 5112
Hattiesburg, Mississippi 39401 or telephone
(601) 266-7111

THE STUDENT COMMUNITY, CAMPUS LIFE, AND ACTIVITIES

STUDENT HOUSING

Resident Housing

Three thousand one hundred and sixty-five (3,165) spaces in air-conditioned residence halls and three hundred and ninety-two (392) spaces in non-air-conditioned residence halls are available for students in thirteen (13) residence halls operated by the University. These include three residence halls which incorporate their own dining facilities (Hillcrest for women, Elam Arms for men, and Vann Hall for men on athletic scholarships). Elam Arms and Hillcrest have heated swimming pools. Bolton, Jones, Pulley, Roberts, Scott, and Wilber are the other air-conditioned residence halls for women. Bond is the other air-conditioned hall for men. Hattiesburg is the air-cooled residence hall for men and Mississippi Hall and Hickman are the air-cooled residence halls for women.

When a student occupies a room in a residence hall, he obligates himself to pay for one semester's room rent for that hall. Refunds for unused portion of room rent will be made only in case of withdrawal from the University. Residence hall fees are subject to change without notice. It is the responsibility of the student to determine the amount of fees for the residence hall to which he is assigned.

Each resident will be asked to contribute to the Residence Hall Fund which is used to pay for Homecoming decorations, courtesies, and other residence hall-sponsored activities.

All regularly enrolled undergraduate students under 21 years of age are required to live in one of the residence halls, unless they are married or live with parents or legal guardian, or have completed 65 semester hours and have parental consent to live off campus.

Students found to be residing off campus in violation of the on-campus-policy may be charged a full semester's room rent regardless of the time during the semester they are found to be in violation of the policy.

THE UNIVERSITY RESERVES THE RIGHT TO ENTER ROOMS FOR INSPECTION AND MAINTENANCE.

Application for campus housing should be made at the time of application for admission to the University. Applications are processed in order of date received, and residence hall assignments are based on the date of application. Roommate preference may be indicated on the application form, and, when possible, these preferences will be granted. However, the application is for accommodations in the residence halls and *not* for a specific roommate. Assignments of new students (freshman and transfer) to residence halls can be made only after the $40.00 deposit with an application for housing has been received by the Housing Office.

Priority of residence hall assignments goes to enrolled and former students. Assignment of enrolled and former students will be made at the end of each semester for the suceeding semester.

Residence hall assignments are mailed at least 15 days prior to the first day of registration for each semester. Those applying after the beginning of this fifteen-day period will receive a room assignment by mail if possible. If it is too late to mail the assignment, it may be secured at the Housing Office on the day the residence halls open.

Any person cancelling his reservation 15 days prior to the first day of registration will be refunded the $40.00 deposit. Those failing to cancel prior to the 15 days will forfeit their deposit. Cancellations must be made in writing.

Sorority members are expected to live in Wilber Hall, the Panhellenic Hall. Lodging in a fraternity house is available to the fraternity members and pledges. Arrangements are made directly with the fraternity.

During fall semester, all residence halls will open at 8:00 a.m., two days prior to registration. Students who have been assigned a specific room must claim their room by 5:00 p.m. on the first day or forfeit their priority to that designated space. All other students must claim their room by 5:00 p.m. on the second day. During the spring semester and summer session, the residence halls will open at noon, one day prior to registration. New students must claim their rooms by 5:00 p.m. on the day the halls open. Former students must claim their rooms by 5:00 p.m. on the first day of registration.

Changes between residence halls are made after registration with Housing Office approval. However, room changes may be made within the residence hall to which a student is assigned, **provided** the change has been **approved** by the Housing staff member of the residence hall and officially arranged in the Housing Office **before** the change is made.

Any person failing to claim his room by the time indicated above will forfeit the deposit.

The visitation program at U.S.M. is directed by the Department of Student Housing. Each residence hall shall have the option to adopt regularly scheduled visitation hours each semester. All residents will be required to vote and three-fourths majority vote shall constitute the decision of the residence hall. Hours may be established within the following guidelines:

Maximum of five hours per day
6:30 PM to 11:30 PM on Friday
2:00 PM to 11:30 PM on Saturday and Sunday

and should not exceed 15 hours each week. There is a non-visitation floor in Jones (women) and Bond (men) for those students who do not wish to participate in the visitation program.

All checks or money orders for housing deposits should be made out to the University of Southern Mississippi and mailed to:

The Director of Housing
University of Southern Mississippi
Southern Station, Box 5064
Hattiesburg, Mississippi 39401

Other information concerning housing is available in the housing brochure.

Family Housing

Pine Haven Apartments, consisting of two hundred and ninety-six (296) one-two-and three-bedroom unfurnished units, are available on the campus for married students. A long waiting list exists each semester. An applicant's position on the list is determined by the date of receipt of the application and deposit.

The housing fee is payable at the beginning of the semester. The rent is due and payable at registration. A student obligates himself to the full fee for one semester's rent when he moves in, unless he withdraws from the University. A deposit of $15.00 is required at the time of application and is refundable if the request is cancelled thirty (30) days prior to the date for which the application is made. An additional $25.00 deposit is required upon receiving assignment to Pine Haven. The total deposit of $40.00 will be refunded when a student withdraws from housing without any outstanding charges to the University.

Applications and brochures may be secured at the Pine Haven Office, or by writing the Director of Housing.

Correct Address

Students are required at registration to give their correct local address. It is the responsibility of each student to notify the Registrar's Office of any change of address as soon as the change occurs.

FOOD SERVICE

All persons living in residence halls are required to purchase a meal ticket for one of the food service facilities on campus. The Food Service Department serves well-planned, attractive meals which include a choice of two entrees, assorted vegetables, and self-service beverage and salad bars. All students are welcome at the Commons cafeteria. Elam Arms and Hillcrest cafeterias are for residents only. Guests are allowed, but each guest must be accompanied by a resident.

The Commons offers a special diet program for weight watchers at an additional cost. Elam Arms and Hillcrest cafeterias will be open five days weekly, Monday through Friday. All week-end meals will be served at the University Commons. Students who purchase a 5-day meal plan are welcome at the Commons on weekends, but must pay cash for their meals.

The Union Coffee Shop offers a wide variety of delicious snacks, short orders, and a selection of beverages. This a' la carte food service offers a commuter meal ticket, which is available to all off-campus students.

HEALTH AND SAFETY SERVICES

While away from home, the University Clinic serves as the family doctor offering the same range of services available at his office. Overnight clinic accommodation for less serious illness is available at no cost to full-time students. Consultation and hospitalization services of the patient's choice are available on a referral basis. The Clinic services include physician and nursing care (provided at no cost to *full-time* students only) and laboratory, x-ray, and apothecary service, all available at cost.

There is an excellent supplemental health insurance policy available. For information, go to Room 100, Student Services Building.

During the regular school semester the Clinic is open 24 hours a day, seven days a week and is staffed by registered nurses. Physician's office hours are 9-12 and 1-5 Monday through Friday. The apothecary is open only during the physicans' office hours.

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register their automobiles with the Department of Campus Security. Temporary permits are issued when the automobile is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which outlines traffic and parking regulations may be secured from the Department of Campus Security. Penalities are assessed for violation of regulations and persistent violators may be denied the privilege of operating their vehicle on campus. Penalties are: violation of parking and/or decal violations $5.00 each; all moving violations $10.00 each.

All vehicle registrations expire August 31, except for bicycles. Registration fees are:

Automobiles/$5.00
Motorcycles/$2.00
Bicycles/$1.00 for length of enrollment.

STUDENT ACTIVITIES

The main source of the extra curricular activities at the University of Southern Mississippi is the multitude of student organizations and activities. Some 180 student organizations, of almost as many purposes and objectives, grace the Southern scene. These organizations include all categories of participation: service, social, religious, professional, honorary, activity, on and on to provide an opportunity for almost any interested student to participate. While these activities are outside of or "extra to" the formal curricula they are unquestionably a part of the student's total experience while he is enrolled at the University of Southern Mississippi.

In addition to the numerous student organizations, there are three groups which, by their representative function, serve the entire student body in their various capacities and areas. These groups are: Associated Student Body, University Activities Council, and Student Religious Federation.

While these groups are deliberative and purpose to represent the views and wishes of the entire student body, other student governing groups may be found in the residence halls, the fraternity and sorority system, and the international student community.

ASSOCIATED STUDENT BODY

The Associated Student Body of USM consists of every student enrolled in the University. It is structurally set up on government form, with executive, legislative, and judicial branches. The officers of the ASB comprise the executive branch, elected representatives from each school and college of the University make up the Senate or legislative branch, and the student courts comprise the judicial branch.

The ASB, however, is much more than a tightly structured student organization. It is an aid to the student in his University life, and is his official voice in University affairs. In maintaining this position of responsibility, the ASB serves the student in special services and projects and represents him on various committees and boards.

These services include a check cashing service, tutoring service, apartment directory,

attorney referral program, refrigerator rental, ride board, spouse card, discount directory, tax service, and student activity calendar.

ASB projects include voter registration drives, Miss Southern Pageant, spirit activities and cheerleaders, the student handbook, legislative lobbying, and recruiting.

ASB officials represent the student body on the Academic Council, Graduate Council, University Council, Disciplinary Committee, Athletic Continuity Committee, President's Board, Mayor's Student Board, Student Alumni Association, Student Aid and Scholarship Committee, Student Activity Committee, Library Committee, University Union Committee, and the Governor's and Congressmen Committee.

The Associated Student Body is constantly trying to improve the existing programs and services and implement new ones. It also continually attempts to voice student concerns in University affairs. By doing this, the ASB strives to meet its goal of promoting the general welfare of students in all phases of their lives at USM.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of a faculty adviser. PRODUCT, issued yearly and sponsored by Lambda Iota Tau, represents the best of student endeavor in short stories , essays, and poetry. A handbook for students is published by the ASB.

RELIGIOUS LIFE

The University of Southern Mississippi is a state supported school and is entirely nonsectarian. Religious life is encouraged, and every effort is made to cooperate with local churches. The Student Religious Federation unifies the activities of all religious groups on the campus.

It is composed of students from the entire University community and seeks to provide channels for worship and religious development. Speakers, concerts, films, forums, and debates are some of its sponsored activities.

Religious Organization—Baptist Student Union, Campus Crusade for Christ, Chi Alpha, Christian Science, Episcopal Students, Hallelujah Way, Inter-Varsity Christian Fellowship, Jewish Student Union/Hillel, Campus Advance-Church of Christ, Latter Day Saints, Lutheran Fellowship, Newman Club-Roman Catholic, Student Religious Federation, Wesley-Methodist, Westminster-Presbyterian, Muslim Student League, Navigators.

The office of the University Chaplin and Coordinator of Religious Affairs works with all campus religious groups in helping them to effect their ministeries.

Danforth Chapel is a place of prayer and mediation for all and is often used for worship services and weddings.

ORGANIZATIONS

General Honor Societies—There are five general honor societies on the campus. A general honor society is an association that receives into membership individuals who have achieved high scholarship and who fulfill such additional requirements of distinction in some broad field of education and culture or in general leadership as the society has established. Phi Kappa Phi is a national honor society composed of men and women who have achieved superior scholarship accorded by the University. Omicron Delta Kappa is a national honorary leadership society, membership in which is the highest recognition accorded students of the University. Phi Delta Rho is a local honorary leadership society, membership in which is the highest recognition accorded women students of the University. Alpha Lambda Delta and Phi Eta Sigma are national honor societies which aim to encourage and reward high scholastic attainment among freshman students.

Academic Honor Societies—Alpha Epsilon Alpha (accounting), Alpha Epsilon Delta (medicine), Alpha Psi Omega (dramatics), American Chemical Society Student Affiliate, Student Chapter of American Marketing Association (marketing), Beta Beta Beta (biology), Beta Gamma Sigma (business), Delta Sigma Pi (business), Eta Sigma Gamma

(health and safety education), Home Economics Club, Kappa Delta Pi (education), Kappa Kappa Psi (band), Kappa Mu Epsilon (mathematics), Kappa Omicron Phi (home economics), Lambda Iota Tau (literary), Lambda Sigma, Mu Phi Epsilon (music), Omicron Delta Epsilon (economics), Orchesis (dance), Pershing Rifles Honor Society, Phi Alpha Theta (history), Phi Beta Lambda, Phi Delta Kappa (education), Phi Mu Alpha Sinfonia (music), Phi Chi Theta (women-business), Pi Delta Phi (French), Pi Gamma Mu (social science), Pi Kappa Lamba (music), Pi Omega Pi (business education), Pi Tau Chi (religion), Psi Chi (psychology), Rho Epsilon (real estate), Scabbard and Blade Society (military), Sigma Theta Tau (nursing), Society of Advancement of Management, Tau Beta Sgima (band).

Service Organizations—Alpha Phi Omega, Angel Flight, Arnold Air Society, Botegha, Business Fraternity Council, Circle K Club, Del Sur Company of L'Esprit de Corps, Honors Student Association, Interfraternity Council, Junior Panhellenic Council, Little Sisters of Minerva, M Club, Panhellenic Council, Pen and Sword, Phi Lambda Pi, Social and Rehabilitation Club, Veterans Voice of USM.

Other Organizations—American Cultural Society, Alpha Kappa Mu, American Civil Liberties Union, Beinvenidos, Chi Tau Epsilon, Chinese Student Association of USM, Food and Nutrition Club, Food Service Executive Association, Go-Shin-Do Martial Arts Team, Hallelujah Way, Hattiesburg Bike Club, HPER, Information Film Producers of America, Jewish Student Union, Latin American Cultural Exchange Society, Library Science Student Association, Logos, Love, Salvation, Determination Choir, Magnolia Junior Branch Food Service, Medical Technology Club, Moslem Students Association, Phi Theta Kappa Alumni Association of USM, Progressive Student Association, School of Social Work Club, Seven Jewels Study Club, Snow Ski Club, Society for Paralegal Studies Southern Barbell Club, Southern Geological Society, Southern Style, Southwestern Executive Sales Club, Star Dusters of Kappa Sigma, Student Alumni Association, Student Broadcasters Association, Student Chapter of Music Educators National Conference, Student's International Mediation Society, Student Nursing Association, The Coalition for Student Involvement, The Student Guild, USM Aquatics Club, USM Art Education Club, USM Association for Promotion of Athletics, USM Bowling Sports Club, USM Citizens Band Club, USM Doctoral Students in Educational Administration and Supervision, USM Chapter of Council for Exceptional Children, USM Chapter of Lambda Alpha Epilson. USM Collegiate Civitan Club, USM Community Chess Club, USM Golden Girls, USM Student Constructors, USM Society of Helping Hands, USM Society of Polymer Scientists, USM Softball Association, USM Student Planning Network, USM Table Tennis Club, USM Volleyball Club, USM Waterski Club, University Activities Council, Young Democrats, Young Republicans.

Social Fraternities—Ten social fraternities hold membership in the Interfraternity Council of the University. They are Alpha Tau Omega, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Omega Psi Phi, Pi Kappa Alpha, Phi Kappa Tau, Sigma Alpha Epsilon, Sigma Nu, and Sigma Phi Epsilon.

Social Sororities—Twelve social sororities hold membership in the Panhellenic Council of the University. They are Alpha Kappa Alpha, Alpha Sigma Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Sigma Theta, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, Sigma Gamma Rho, and Sigma Sigma Sigma.

Dramatic, Musical and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE UNIVERSITY THEATRE is the campus dramatic organization sponsored by the Department of Theatre Arts. Open auditions are held for all productions and any student enrolled at the University is eligible to participate.

THE OPERA THEATRE, open to all students of the University by audition, performs many works of musico-dramatic interest during the year.

THE UNIVERSITY SINGERS, auditions for which are held during the first week of each semester, give numerous concerts and tours. There is usually a waiting list of applicants for membership. Within the UNIVERSITY SINGERS are a number of smaller ensembles, such as the Madrigal Singers and various male and female groups.

The University's bands and orchestras have an outstanding record of service to the University and the state.

THE SYMPHONIC WIND ENSEMBLE, THE SYMPHONIC BAND, AND THE CONCERT BAND are open to all University students by audition.

THE MARCHING BAND, known as "THE PRIDE OF MISSISSIPPI," presents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, a precision drill group, open by audition to the best girl dancers of the University, are well-known nationally through their many televised appearances with the Marching Band.

COLLEGIUM MUSICUM, open to singers, players of recorder, sackbut, krumhorn, viol, harpsichord, lute, cornetto, or other historical instruments, and to students with an interest in a scholarly, musicological approach to the performance of old and neglected music.

THE CHAMBER ENSEMBLES perform serious programs of the best original music for smaller groups.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLE utilize programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BANDS are full-sized modern jazz ensembles which play the latest arrangements of music in the big band contemporary idiom.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University by audition, gives a number of concerts each year in addition to assisting with oratorios and operas.

Scholarships for these musical groups are available to talented students. Auditions may be arranged through the Department of Music.

Debate: The Department of Speech Communication sponsors a public debate program called Inquiry and Advocacy. The programs are conducted on campus and include both a public interview of experts on the designated topic and a parliamentary debate, with those experts available for cross-examination. An audience is present at both sessions and is encouraged to participate. Regardless of experience in debate, students are welcome to join in this unique educational experience.

THE DEBATE SQUAD, open to all students, engages in intercollegiate competition at tournaments throughout the southeastern states. Students interested should contact the Department of Speech Communication. Some scholarships are available.

WMSU-AM is a University-owned carrier current radio station which broadcasts to the campus audience on 640 Khz. Students interested in working with the WMSU-AM staff should contact the Department of Radio, Television, and Film.

WMSU-FM is a University-owned educational radio-station which broadcasts to the Hattiesburg area. The student staff is selected by open auditions under the direction of the faculty adviser. Students interested in seeking a position on WMSU-FM should contact the Department of Radio, Television, and Film.

ATHLETICS

The University of Southern Mississippi is a member of the National Collegiate Athletic Association, the College Football Association, and the Association of Intercollegiate Athletics for Women.

Intercollegiate sports are football, basketball, baseball, tennis, golf, track, swimming, cross country, and women's tennis, basketball, softball, and volleyball.

Seasonal intramural sports, under the supervision of personnel from the Department of Intramural Sports, give every student an opportunity to take part in competition. Among the sports included on the program are tennis, golf, touch football, basketball, softball, badminton, volleyball, handball, track and swimming.

The University golf course, tennis courts, swimming pool, playgrounds, and gymnasium facilities are available to all students.

R.C. COOK UNIVERSITY UNION

The center of student activities at the University of Southern Mississippi is the R.C. Cook University Union, which houses the student organization offices, coffee shop, recreational area, and meeting rooms. Students use the facilities of the University Union for

recreation, social, religious, and organizational activities. The Union holds membership in the Association of College Unions—International.

UNIVERSITY ACTIVITIES COUNCIL

The University Activities Council (UAC) is made up of interested students selected through an application-interview procedure. UAC activities include all facets of collegiate programming, the more prominent of which are: weekly movies, concerts, lectures, special events, and travel.

The University Activities Council is recognized throughout the Gulf South as one of the outstanding collegiate programming groups, budgeted on per-student fee basis, that allows all students to attend UAC activities on the presentation of their student identification card, except for big name concerts when a nominal fee is charged.

Holding membership in the National Entertainment Conference, the UAC keeps abreast of collegiate programming trends and developments throughout the nation, as well as the Gulf South.

UNIVERSITY COUNSELING CENTER

The purpose of the University Counseling Center is to assist each individual in deriving maximum benefit from his University experience and developing his full range of potentialities. The following professional counseling services are provided: vocational, educational, personal, and marital.

Students interested in choosing a major, exploring career choices, or dealing with some aspects of personal or social development should feel free to contact the Center for an appointment. Everything that is said during a counseling interview is regarded as confidential. No information is released to any individual except with the approval of the student.

When appropriate, the student and the counselor may select tests to appraise abilities, interests, or personality characteristics. A library of educational and occupational information is maintained. College catalogs from other institutions and many books and pamphlets on educational and personal adjustment are also available.

Besides assisting students on an individual basis, the Center provides group study skills training to enable students to handle their academic pursuits better. How to organize study time, how to take notes, and how to take examinations are a few of the topics covered.

The Center provides growth experiences for students. Primary goals of these experiences are developing the student's ability to communicate and enhancing his skills in interpersonal relationships. The goal, therefore, is to provide students a chance to obtain insight into their own behavior and the behavior of others in the context of a group experience.

The Center staff is available to work with campus groups in providing leadership or communication training. The primary goals of these groups are to improve leadership abilities and to enhance the communication function in organized group activity.

The Center is located in Room 200, Student Services Building. It is open from 8:00 A.M. to 5:00 P.M., Monday through Friday. Any person who is enrolled or expects to enroll as a student may use the services without charge. Spouses of students often use the Center. In order to make an appointment, a student may come by the Center or call 266-7111 or write to:

Director of the University Counseling Center
University of Southern Mississippi
Southern Station, Box 5075
Hattiesburg, Mississippi 39401

OFFICE OF VETERANS AFFAIRS

The Office of Veterans Affairs is responsible for providing assistance to veterans and dependents of eligible veterans that will enable them to derive the maximum benefit from their veterans educational entitlement. Specific activities of this office include recruitment, outreach, counseling, tutorial assistance, basic education, and it sponsors the campus veterans organization.

OFFICE OF SPECIAL SERVICES

The Office of Special Services is responsible for providing educational assistance to students who are educationally and economically disadvantaged. This office is administering developmental programs to enhance these students' chances of deriving maximum benefit from their college experience. Specific services include counseling, tutoring, study skills, growth activities, and the coordination of developmental education programs in English, mathematics, and reading.

PLACEMENT SERVICES

The Office of Placement Services, located on the first floor of McLemore Hall, offers the student two types of employment opportunities while attending the University; part-time employment as well as career employment upon graduation. All employment opportunities are offered free to both the students and the prospective employer.

The Student Employment Division offers the student an opportunity to obtain part-time employment while enrolled as a regular student at Southern. The service is comprehensive in that it will involve jobs for work-study as well as non-work study both on and off campus.

The Career Employment Division provides assistance to graduating seniors, graduates, and alumni in obtaining career employment upon or after graduation.

All students should register with Placement Services and establish a placement credentials folder during the last semester of their junior year or the first semester of their senior year. These credentials are valuable to prospective employers that are seeking information on college graduates for possible employment. The file is permanent, and can be used by the graduate as often as it is needed.

STUDENT EXPENSES

The University of Southern Mississippi is supported chiefly by legislative appropriations. Increases in student fees are put into effect only when public support funds are inadequate and no other recourse is available. Increases are made only for support of the institution or improvement of the activity program of the students; therefore the University must reserve the right to increase or modify fees and expenses without prior notice but with approval of the Board of Trustees of State Institutions of Higher Learning.

Fees and expenses are in the form of general tuition, room and board, and special fees.

GENERAL TUITION. This fee, together with the allocation from the legislative appropriation, is used for general support of the University. Athletic activities, health service, and UAC programs are not included for part-time students.

Full-time students for purposes of assessing fees are those who take nine (9) or more semester hours in Graduate School and twelve (12) or more semester hours in all other schools and colleges during fall and spring semesters. During summer terms, seven (7) or more semester hours for Graduate School and nine (9) or more semester hours in all other schools and colleges constitute full-time students for purposes of assessing fees. Students enrolled for more than nineteen (19) semester hours will be assessed the applicable fee for each additional semester hour.

Textbooks, except for textbooks in foreign language courses and certain other courses, are provided on a loan basis to all undergraduate students.

Clinical and hospital services covered by the health service charge included in the general tuition fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice.

ROOM, BOARD, AND POST OFFICE BOX. The room, board, and post office box fees are assessed for all students living in University-controlled residence halls and those students living in fraternity houses. Board is available to all other students on an optional basis. Two meal plans are available in the Commons: seven-day, twenty-meal plan and a five-day, fifteen-meal plan. Weight-watcherss diets are available at $35 extra per semester.

A room deposit of $40 is payable in advance for the reservation of space in the residence hall. This amount is held as a damage deposit until a student withdraws from the residence hall. Upon withdrawal, the student must make an application to the Resident Manager of the dormitory for refund of the $40. A student accepting residence hall space will be financially obligated to pay the full semester's room rent. A rent refund will be made only upon withdrawal from the University.

OTHER FINANCIAL INFORMATION. Fees of all students are due and payable at time of registration; however, fees of students enrolled for **six semester hours or more** may be paid one-half upon entrance and the balance one week prior to the beginning of the second half of the semester. Students with University loans, grants, or scholarships may defer only one-half of the amount not covered by their loan, grant, or scholarship. A $10.00 late charge will be assessed on any fees not paid in full by one week prior to the beginning of the second half of the semester. This procedure applies on all campuses and resident center locations.

The University reserves the right to withhold readmission to a student until all delinquent accounts have been paid. Transcripts of credits will not be issued for students whose accounts are deliquent. All fees must be paid before a degree is awarded.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Security regulations, or any other policy establishing regulations for the protection of University property, shall become collectible by the Bursar's Office, and, if not collected, shall constitute a deliquent account.

Students whose checks for registration are returned will be assessed the late registration fee of $10.00, in addition to the $6.00 returned check handling fee.

A fee of $3.00 for operation of the University Union is included in the fees of all full-time students. A $1.00 fee is added to the general tuition fee assessment of part-time students.

Courses requiring special fees and music fees are shown in the Special Fee listing (Table II).

RESIDENCE STATUS

LEGAL RESIDENCE OF STUDENTS: The definitions and conditions stated here are as required by state law in the classification of students as residents or nonresidents for the assessment of fees. Requests for a review of residency classification should be submitted to the Dean of Special Academic Services; forms for this purpose are available from the Dean of Special Academic Services' office.

A MINOR: The residence of a person less than twenty-one years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his person duly appointed by a proper court of Mississippi, in which case his residence becomes that of the guardian.

AN ADULT: The residence of an adult is that place where he is domiciled, that is, the place where he actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent. Adult students who are residing outside of the State of Mississippi, but whose parents have moved to this state and have become residents, must establish residence in their own right. In determining residence for tuition purposes for persons who return to Mississippi after temporary departures such as school attendance, work elsewhere or military service, cognizance is taken of evidence showing continuity of state residence and demonstrated intent to return to the state.

REMOVAL OF PARENTS FROM MISSISSIPPI: If the parents of a minor who is enrolled as a student in an insitution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a nonresident student.

TWELVE MONTHS OF RESIDENCE REQUIRED: No student may be admitted to the University as a resident of Mississippi unless his residence, as defined herinabove, has been in the State of Mississippi for a continuous period of at least twelve months immediately preceding his admission.

RESIDENCE IN AN EDUCATIONAL INSTITUTION CAN BE COUNTED: A student who has lived within the state for twelve months following his twenty-first birthday may establish residence in his own right by showing that he is living in the state with the intention of abandoning his former domicile and remaining in the State of Mississippi permanently, or for an indefinite length of time. Intent may be demonstrated or disproved by factors including, but not limited to, filing of Mississippi income tax returns, eligibility to vote in Mississippi, motor vehicle registration in Mississippi, possession of a Mississippi operator's license, place of employment, and self support.

RESIDENCE STATUS OF A MARRIED WOMAN: A married woman may claim the residence of her husband, or she may claim independent residence status under the same regulations, set forth above, as any other adult.

CHILDREN OF PARENTS WHO ARE EMPLOYED BY THE UNIVERSITY: Children of parents who are members of the faculty or staff of the University may be classified as residents without regard to the residence requirement of twelve months.

MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI: Members of the armed forces on extended active duty and stationed within the State of Mississippi, except those military personnel whose active duty assignment is for educational purposes, may be classified as residents, without regard to the residence requirement of twelve months, for the purpose of attendance at the University. Resident status of such military personnel who are not legal residents of Mississippi, as defined above under LEGAL RESIDENCE OF AN ADULT, shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

CHILDREN OF MILITARY PERSONNEL: Resident status of children of members of the armed forces on extended active duty shall be that of the military parent for the purpose of attending the University during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignment within the State of Mississippi, excepting temporary training assignments en route from Mississippi. Resident status of minor children shall terminate upon reassignment under permanent change of station orders of their military parents for duty in the continental United States outside the State of Mississippi, excepting temporary training assignments en route from Mississippi.

CERTIFICATION OF RESIDENCE OF MILITARY PERSONNEL: A military person on active duty stationed in Mississippi who wishes to avail himself or his dependents of the provisions of the paragraph titled MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI must submit a certificate from his military organization showing the name of the military member, the name of the dependent, if for a dependent, the name of the organization of assignment and its address (may be in the letterhead),that the military member will be on active duty stationed in Mississippi on the date of registration at the University; that the military member is not on transfer orders; and the signature of the commanding officer, the adjutant, or the personnel officer of the unit of assignment with signer's rank and title. A military certificate must be presented to the Registrar of the University each semester at (or within ten days prior to) registration for the provisions of the paragraph MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI, named above, to be effective.

LEGAL RESIDENCE OF A FOREIGN STUDENT: Students with permanent immigrant status or refugee status can establish residence in the state by meeting the provisions of the Mississippi Statute.

PETITIONS FOR CHANGE OF RESIDENCY: Petitions for change of residency must be made on or before the last day a student may register at the particular institution without penalty.

REFUND POLICY: A student who officially withdraws after enrollment may obtain a refund in accordance with the following:

Through second week	80%
Through third week	60%
Through fourth week	40%
Through fifth week	25%
After fifth week	None

The refund schedule above applies to students who drop to an hourly load below full time or from an overload to full time or below. The applicable percentage then applies to the difference between fees calculated on the resulting hourly load and the original assessment.

Room and board fees are refunded on the basis of full weeks remaining in the semester.

Appeals for refunds due to extenuating circumstances may be made in writing to the Vice President for Business and Finance, University of Southern Mississippi, Southern Station Box 5005, Hattiesburg, MS 39401.

Students who find it necessary to withdraw from the University must submit written requests to the deans of their schools or colleges. Those students who are undecided as to their majors should direct their written requests to the Admissions Office. Oral requests will not be accepted.

TABLE I

EXPENSES EACH UNIVERSITY SEMESTER/SESSION

(All fees are subject to change without notice. See page 29.)

FULL-TIME STUDENTS	FALL, SPRING SEMESTERS	SUMMER SESSION
Fixed Fees		
General Tuition	$ 388.00	$ 246.00
Room rent:		
Hillcrest and Elam Arms	385.00	240.00
Vann	370.00	230.00
Other Air Conditioned Halls	325.00	216.00
All Other Halls	285.00	196.00
Board:		
5-day plan	310.00	210.00
7-day plan	340.00	230.00
Other Fees When Applicable		
Non-Resident Fee	425.00	
**The Southerner* (Fall only)	7.00	
**Post Office Box	3.00	2.00
PART-TIME STUDENTS—Each semester hour - All Campuses:		
General Tuition—graduate student	37.00	35.00
General Tuition—undergraduate student	31.00	29.00
Non-resident fee:		
Graduate student	47.00	
Undergraduate student	35.00	

*Non-refundable. Charged the first semester attended each year to all full-time undergraduate students. Optional to all other students living off campus.

**Non-refundable. Optional to students living off campus.

General tuition, room, board, and post office, if applicable, are payable each semester/session.

TABLE II

SPECIAL FEES AND EXPENSES

Departmental Fees:	
REF 416, 619, 735, 741; LS 416, 516, 622	$ 7.50 per course
ADE 495	7.00 per semester
CIE 480, 482, 484, 492, 493, each	20.00 per course
HEE 403	20.00 per course

SPE 312, 480, 482, 483, 485, 486, each	20.00 per course
LS 489	10.00 per course
REC 300	50.00 per course
CIS 481, 482, 483, 484, 485, 486, 487 488, 489, 491, 492, 493, 494, 496	20.00 per course

Music Fees—Private lessons for other than full-time music majors and for music majors taking private lessons not required for the degree being pursued:

Each semester hour per instructor	35.00
Orchestral or Band Instrument rental	10.00 per semester
Honors College	
Fee for binding thesis	6.00 each copy
Reading Center, Individual Remedial Instructions:	
Special Students (non-credit)	40.00 per semester
Complete Reading Diagnosis	35.00 with written report
Re-evaluation	5.00
Speech and Hearing Clinic Services:	
Speech and Language Evaluation	40.00 each
Speech and Language Therapy (Individual)	
2 fifty-minute sessions per week	312.00 per semester
3 fifty-minute sessions per week	468.00 per semester
Speech and Language Therapy (Group)	
2 fifty-minute sessions per week	156.00 per semester
3 fifty-minute sessions per week	234.00 per semester
Language Group	25.00 per month
Audiometric-Complete except for special tests.	25.00 per hour
Hearing Aid Evaluation	25.00 per hour
Impedance Tests	25.00 per hour
Special Tests	25.00 per hour
Ear Mold Impressions	9.50 each
Lipreading/Auditory Training	12.00 per hour
ENG Testing	65.00 each
Examinations and Graduation:	
Challenge Examination	10.00
Revalidation Examination	30.00 when applicable
Special Examination	3.00 when applicable
Graduation Fee-Bachelor**	15.00 with application for degree
Certificate	2.75 when applicable
Continuing Education and Public Service	
Off-Campus Center	
Undergraduate Course	31.00 per semester hour
Graduate Course	37.00 per semester hour
Resident Center—laboratory fee	6.00 per course
Resident Center—typing fee	5.00 per course
Extension Center	
Undergraduate Course	31.00 per semester hour
Graduate Course	37.00 per semester hour
Independent Study Courses	25.00 per semester hour
High School Independent Study Course	35.00 per half unit
Registration and Records:	
Change of Schedule	5.00 when applicable
Cooperative Education Program	25.00 when applicable
Late Registration	10.00
Evaluation Fee for Foreign Students (Non-refundable)	10.00 with application
Memorandum of Credits	.50 each
Transcript of Credits	1.00 when applicable

Special fees are not normally refundable. However, requests for refunds of special fees will be based on circumstances existing at the times of requests.

STUDENT FINANCIAL AID

The following information is a summary of the financial aid program. For further information and application forms, write to:

Director of Financial Aid
University of Southern Mississippi
Southern Station, Box 5101
Hattiesburg, Mississippi 39401

Steps to Take in Obtaining Financial Aid

1. Since financial aid is awarded only to students who satisfactorily complete the requirements for admission to the University, it is necessary that new students have the following items on file in the Office of Admissions and Records.
   a. Admissions application (Entering Freshmen & Transfers)
   b. ACT examination score (Entering Freshmen only)
   c. College transcript showing previous college credit (Transfer students only)

2. Submit the American College Testing Program FAMILY FINANCIAL STATEMENT. (All students including those applying for academic scholarships should complete this statement.) Forms may be obtained from a high school guidance office or upon request from the USM Financial Aid Office.

3. Complete the application for Student Assistance to attend the University of Southern Mississippi. The application will be considered for the following types of aid:
   Basic Educational Opportunity Grant
   National Direct Student Loan
   Nursing Student Loan
   Nursing Scholarship
   College Work-Study
   Supplemental Educational Opportunity Grant
   Academic Scholarships

APPLICATION DEADLINES

New students, currently enrolled students, graduate students, and transfers must submit the application and the ACT financial statement by March 15 to receive full consideration. Late applications will be accepted and considered if funds permit.

TYPE OF FINANCIAL AID PROGRAMS AVAILABLE

The Financial Aid Office has the responsibility of administering major areas of financial assistance. These areas will be listed in three categories-loans, grants and scholarships, and student employment. Space will not permit description of each program in detail. Further information may be obtained by contacting the Financial Aid Office.

A. LOANS

1. **National Direct (Defense) Student Loan Program** (NDSL)

   The National Direct Student Loan Program is for students who are enrolled at least half-time in a participation post-secondary institution and who need a loan to meet their educational expenses.

   Students may borrow up to a total of: (a) $2,500 if they are enrolled in a vocational program or if they have completed less than two years of a program leading to a bachelor's degree: (b) $5,000 if an undergraduate student has already completed two years of study toward a bachelor's degree. (This total includes any amount borrowed under NDSL for the first two years of study): (c) $10,000 for graduate study. (This total includes any amount borrowed under NDSL for undergraduate study.)

   Repayment begins nine months after graduation or leaving school for

other reasons. Students may be allowed up to ten (10) years to pay back the loan. During the repayment period three (3) percent interest is charged on unpaid balance of the loan principal.

No payments are required for up to three years while serving in the Armed Forces, Peace Corps, or VISTA.

There are loan cancellation provisions for borrowers who go into certain fields of teaching or specified military duty.

2. **Nursing Student Loans**

The Nursing Student Loan Program is intended to assist students in achieving careers in nursing by providing long-term, low-interest loans to help meet the costs of education. Students must be enrolled at least half-time in the School of Nursing. Depending on financial need, nursing students may borrow up to $2,500 per academic year. The total amount of a student's loan for all years may not exceed $10,000.

Repayment of the loan plus interest at three percent begins nine (9) months after the recipient ceases to be at least a half-time student. Cancellation of up to 85 percent of the loan is available to those who are employed full-time as registered nurses in a public or non-profit private agency, institution, or organization.

3. **Law Enforcement Loan** (LEEP)

The LEEP Loan is available to full-time students pursuing a baccalaureate or graduate degree in Criminal Justice. The loan provides payments for tuition and fees. Loans of up to $2,200 per academic year are available to students who are on full academic leave from a qualifying public law enforcement agency and who demonstrate financial need. Applicants must indicate an intention to pursue, resume, or continue full-time employment in a publicly-funded local, state, or federal law enforcement agency upon completion of their studies.

Cancellation of up to 100 percent of the loan is available to persons who enter the Criminal Justice field upon graduation. Otherwise, repayment of the loan, plus interest at seven (7) percent will begin nine (9) months following termination of full-time student enrollment.

4. **Federally Insured Student Loan** (FISL)

The Federally Insured Student Loan Program enables students to borrow directly from lenders in order to finance educational expenses. While the bulk of these loans are made by commercial lenders, some states and educational institutions also are lenders. The loans are insured by the Federal Government or guaranteed by a state or private nonprofit guarantee agency.

Students must be enrolled, in good standing, and making satisfactory progress—or have been accepted for enrollment—at least half-time in an eligible college, university, or professional school, or an eligible vocational, technical, trade, business, or home study school.

The maximum a student may borrow as an undergraduate is $2,500 per academic year. Graduate and professional students may borrow up to $5,000 per academic year. (In some states the maximum amount is less.) The total that may be borrowed for undergraduate or vocational study is $7,500. The total for graduate and professional students is $15,000, including any amount borrowed for undergraduate study.

Graduate students enrolled in health professions schools located in the United States may borrow larger amounts for study during the 1980-81 academic year. Those in schools of medicine, osteopathy, dentistry, veterinary medicine, optometry, podistry, and public health may borrow up to $10,000 and pharmacy students up to $7,500. Total loans still may not exceed $15,000.

The interest rate is seven (7) percent, and the Federal Government will pay the interest until repayment of the loan begins.

The Loan Must Be Repaid. The loans may be cancelled in certain extreme instances such as the death of the student borrower, but there are no other means of loan cancellation such as teaching in certain fields or service in health professions shortage areas. Payments normally begin between nine (9) and (12) months after graduation or when the borrower ceases to be at least a half-time student, and

students may be allowed to take up to ten (10) years to repay the loan. In most cases students must pay at least $360 a year unless circumstances as agreed upon with the lending institution warrant a lesser amount. The student may defer repayment for up to three years while serving in the Armed Forces, Peace Corps, or as a fulltime volunteer under the Domestic Volunteer Service Act of 1973 and for up to one year while actively seeking but not finding full-time employment. Repayment may also be deferred if the student borrower returns to school full-time at an eligible institution or is pursuing a course of study in certain approved graduate fellowships.

B. GRANTS

1. **Basic Educational Opportunity Grants.** (Basic Grants)

   The Basic Educational Opportunity Grant Program makes funds available to eligible students attending approved colleges, community/junior colleges, vocational schools, technical institutes, hospital schools of nursing, and other post-high school institutions.

   Students may apply for a Basic Grant if they are undergraduate students enrolled on at least a half-time basis in an eligible program.

   Students can apply for a Basic Grant by completing one of several different forms. The USM Financial Aid Office uses the American College Testing Program to determine eligibility. The forms are available at high schools and post-high school institutions. Within six (6) weeks of submitting the form, the student will be notified as to whether or not he is eligible.

   He then submits the Notification to the school which will calculate the amount of the Basic Grant he is eligible to receive. The amount of the award is based on the determination of eligibility and the cost of attendance at the school. The grants range from $200 to $1800.

2. **Supplemental Educational Opportunity Grants** (SEOG)

   The Supplemental Educational Opportunity Grant Program is for students of exceptional financial need who, without the grant, would be unable to continue their education.

   Students must be enrolled at least half-time as an undergraduate or vocational student in an educational institution participating in the program. Graduate students are not eligible.

   An SEOG cannot be less than $200 or more than $1,500 a year. Normally, an SEOG may be received for up to four years. The total that may be awarded is $4,000 for a four-year course of study. The educational institution must provide the student with additional financial assistance at least equal to the amount of the grant.

3. **Nursing Scholarship Program.** (NS)

   The Nursing Scholarship Program is intended to assist students of exceptional financial need enrolled at least half-time in the School of Nursing. Depending on the financial need, students may receive up to $2,000 for an academic year.

4. **Law Enforcement Grant**

   The Law Enforcement Educational Program (LEEP) Grant is restricted to in-service law enforcement officers of local or state units of governments. Eligible students may enroll for full-time or part-time study in courses leading toward an eligible baccalaureate or graduate degree.

   The Grant Program provides payment for tuition and fees. Students receiving the grant must agree to remain employed in public law enforcement for two years following the completion of any course of study funded by the grant. Recipients not meeting this requirement must repay their grants plus seven (7) percent interest.

5. **State Student Incentive Grant** (SSIG)

   The State of Mississippi through a matching grant program with the Federal Government and the University of Southern Mississippi provides grants to full-time undergraduate students who are residents of the State of Mississippi. Recipients must demonstrate substantial financial need and show academic promise. Grants may range from $200 to $1,500 per academic year. Selection of recipients is made by the Financial Aid Office.

6. **University Scholarships**
   a. **Freshman:** Two Achievement Scholarship Programs are available to entering freshmen each year.
   1. **Presidential Scholars:** Four Presidential Scholars shall be selected by the President of the University of Southern Mississippi. Applicants for this scholarship should have superior ACT scores, a high school grade point average of at least 3.5 on a 4.0 system and have demonstrated leadership ability. The application shall be postmarked no later than March 15. Recipients must enter the Honors College. The value of this award is $2,120 per year for a four-year period. (The recipient will receive increments of $1,060 at registration each semester.) Applications can be obtained by writing: Honors College, Box 5162, Southern Station, Hattiesburg, Mississippi 39401.
   2. **University Scholars:** Forty-six (46) University Scholars shall be named each year. Applicants for this award should have minimum ACT scores of 28 to 36, a high school grade point average of 3.5 or above and have demonstrated leadership ability. The application shall be postmarked no later than March 15. Recipients shall enter the Honors College. The value of the award is $350 per year for four years for a total of $1,400. The recipient will receive increments of $175 at registration each semester. Applications can be obtained by writing Honors College, Box 5162, Southern Station, Hattiesburg, Ms. 39401
   b. **Upperclass General Academic Scholarships:** Scholarships are available each year to upperclass students based upon general academic achievement, leadership, major field of study, financial need, and other stipulations which may be imposed by the donor. Applications must be made each academic year for these scholarships. The value of these awards range from $100 to $1,000 per academic year. Applications can be obtained by writing the Director of Financial Aid, Box 5101, Southern Station, Hattiesburg, Ms. 39401.
   c. **Phi Theta Kappa Scholarships:** Members of Phi Theta Kappa from any Mississippi junior college shall be awarded a $200 scholarship. The recipient will receive increments of $100 per term for the first two semesters at the University. Applications may be obtained by writing Director of High School and Junior College Relations, Box 5011, Southern Station, Hattiesburg, Ms. 39401.
   d. **Regional Scholarships:** A limited number of awards are available to nonresidents of the State of Mississippi. This scholarship represents a waiver of nonresident fees only. These awards are based upon academic record, ACT test scores, and citizenship record. Applications may be obtained by writing, Director of Financial Aid, Box 5101, Southern Station, Hattiesburg, Ms. 39401. March 15th is the priority date for applications.
   e. **Service Scholarships:** These scholarships are available in athletics, band, music, etc. Service scholarships are based upon skill and performance in such endeavors as music and athletic ability. Applications can be obtained by writing: Band and Music, Dean, College of Fine Arts, Box 5031, Southern Station; for Athletic scholarships write Athletic Director, Southern Station, Box 5017, Hattiesburg, Ms. 39401.

C. STUDENT EMPLOYMENT

1. **College Work-Study Program**

   The College Work-Study Program is authorized under Title IV of the Higher Education Act of 1965. The primary purpose of the College Work-Study program is to stimulate and promote part-time employment for students. The program is designed for these students who are in need of earnings to pursue their course of study at USM. Primary consideration is given to students with the greatest financial need.

2. **Student Employment On Campus**

   The University employs students who are not eligible to receive the federal financial aid programs. Applications are accepted year-round and are considered as student employment vacancies occur. Contact the Student Employment Office, McLemore Hall, for applications and additional information.

3. Student Employment Off Campus

Employment positions are available to many students in Hattiesburg and the surrounding community. The Office of Student Employment collects applications for work off campus. Referrals are made as requests are received from off-campus agencies.

FINANCIAL AID POLICIES

1. In determining need, the Financial Aid Office will use the financial need analysis systems of the American College Testing Program. The applicant's need for financial assistance must be established by filing the appropriate applications for financial assistance. Students applying for need-based academic awards must also complete the financial statement to be considered.

2. Financial aid is awarded on an academic year basis (September to August). Applicants must file an application and a financial statement each academic year to continue any type of financial assistance.

3. In awarding financial aid funds, primary consideration is given to an applicant's demonstrated financial need. Consideration is also given to evidence of an applicant's potential to achieve or maintain normal academic progress at USM.

4. Any financial aid commitment involving the use of federal funds is tentative and conditional upon subsequent Congressional appropriation and actual receipt of the funds by the University of Southern Mississippi.

5. The Financial Aid Office reserves the right on behalf of the University to review and cancel an award at any time because of changes in the student's financial or academic status, changes of curriculum, or the student's involvement in student unrest as defined by the Public Laws 91-204, 91-557, 90-575, Sections 407, 411, and 504 (a).

6. During the award year an applicant who is placed on academic probation may retain his financial aid award (except selected scholarship aid) as long as he is permitted to register for each succeeding term of the award year. If a student is suspended from the University for academic reasons, he is ineligible to receive aid the first term he returns.

7. The applicant's personal and leadership qualities will be evaluated. A student dismissed from the University for disciplinary reasons shall have his financial aid terminated immediately and for an indefinite period. The student may appeal to the Financial Aid Committee to reinstate his financial aid after the first term he returns to the University.

8. In awarding financial aid, priority will be given to currently enrolled renewal applicants who apply before the March 15th priority date.

9. Priority will be given all student applicants for financial aid accepted for admission or enrolled as full-time students (minimum of twelve (12) semester hours for undergraduates and nine (9) semester hours for graduate students). If a student drops below the minimum number of hours to be classified as a full-time student, he is required to report any change to the Financial Aid Office. The Financial Aid Office may require that he repay a portion of the aid he has received for that term. Failure to do so could result in the cancellation of his financial aid program.

10. Several scholarship programs require the applicant to maintain a specified grade point average. The scholarship recipient will be notified of the approved grade point average that must be maintained at the time the award is made.

11. Students who withdraw during a semester must notify the Financial Aid Office. Students who withdraw before completing a semester may be expected to repay the entire award at the time of withdrawal. If the student is entitled to a refund, the refund shall first be credited to the student aid account from which the student received assistance.

12. The National Direct Student Loan and the Nursing Student Loan Programs require repayment; therefore, each student borrower must schedule a terminal interview with the University Bursar prior to withdrawal or graduation.

13. Normally the financial aid award will be disbursed in equal payments at the time of registration. The applicant receiving an employment award will receive wages bi-weekly.

14. The University reserves the right to release to the United States Office of Education, state agencies, scholarship donors, and University scholarship selection committees any information requested pertinent to this application, i.e., enrollment status, address, grade point average, and financial need.

15. The University reserves the right to release all public announcements concerning scholarship winners; however, the amount of the stipend will be kept confidential.

GUIDELINES FOR MARRIED STUDENTS

As the number of married students attending the University increases, it is necessary for the University to provide facts about educational and living costs and to suggest methods of meeting these costs. The financial situation of married students is completely different from that of a single student. Their expenses are obviously higher, but they may also have more substantial resources; therefore, they need to have a different approach in meeting their educational and living expenses while attending the University of Southern Mississippi.

One of the most practical and popular ways of financing marriage and education is to have one spouse attend school while the other works full-time. In this way, the employed spouse can meet the bulk of the married student's living costs as shown in the University of Southern Mississippi Student Budgets. As a general rule the University cannot totally support both husband and wife as students.

A student applicant should recognize that marriage does not, in and of itself, classify him as an independent student. Students married less than 18 months may be considered as dependent upon their parents. If parents have been providing financial support, the student marriage should not significantly affect the parents' ability to assist the student. Therefore, in cases where the student does not meet all three requirements for independency, parents of the student will be required to submit income and asset information on the ACT Family Financial Statement in addition to the income information of the student and spouse.

FINANCIAL AID RETENTION POLICIES

1. The Financial Aid Office strictly adheres to the academic standards as presently established by the University and outlined in this **Bulletin.**

2. Students who do not achieve the prescribed academic standards and are academically suspended shall be ineligible to receive aid the first semester that they are permitted to return to school. If, after that first semester, they show academic improvement, they may reapply to the Financial Aid Office to have their financial aid reinstated.

3. Students who fail all of their courses in any semester and are academically suspended from the University shall be ineligible to receive financial aid the first semester that they are permitted to re-enroll. If, after that first semester, their grades show improvement, they may reapply to the Financial Aid Office to have their aid re-instated.

4. Students who enroll and receive financial assistance as full-time students shall be required to maintain their full-time status.

5. Students who enroll and receive financial assistance as a full-time student but then drop below full-time status shall be required to repay to the student aid account from which they received aid, a prorata share of assistance received.

6. Students who change their enrollment status from full-time to part-time status because of medical reasons shall be exempted from repayment. The nature of the medical problem must be submitted to the Aid Office in writing at the time of withdrawal from classes.

7. Students who change enrollment status and withdraw from classes for other than medical reasons may appeal to the Financial Aid Committee for a waiver of repayment. Appeals should be in writing and submitted to the Director of Financial Aid prior to the end of the semester in which the changes occur. Appeals will be decided by the Financial Aid Committee.

8. Students who withdraw from all their classes during a semester in which they received financial assistance shall be expected to repay the total amount of aid received, excluding college work-study earnings. This money must be repaid before the student will be allowed to enroll for the succeeding academic term. Exceptions will be made for the students withdrawing for medical reasons. All other exceptions must be approved by the Financial Aid Committee.

GUARANTEED STUDENT LOAN DISBURSEMENT POLICIES

In an attempt to assure the United States Federal Government and other Guaranteeing Agencies, the U.S. Commissioner of Education, lending agencies, the University of Southern Mississippi and student borrowers, that Guaranteed Student Loan proceeds are utilized for the purpose intended, checks representing the proceeds of these loans and naming the University of Southern Mississippi as a "joint endorser" shall be handled in the following manner:

A. Federally Insured Student Loan Program

1. Upon endorsement by the student payee and the University of Southern Mississippi, the funds will be deposited in the "student depository" and disbursed to the student by the University Business Office in equal amounts proportionate to the loan period represented by the check.
2. Of the funds for one semester or term, loan proceeds will first be applied to the student's fees payable to the University, including tuition, room and board, Pinehaven rent, and any and all other current fees and/or past due fees. When the loan proceeds for a current term exceed current and past due fees, the balance shall be paid directly to the student.

B. State Agencies and Other Guarantee Agencies

1. Upon endorsement by the student payee and the University of Southern Mississippi, the University shall first deduct any and all current and past due fees. Next, and at the time the check is transacted, the student shall be required to deposit with the University an amount which will pay the student's educational expenses for and during the remaining loan period represented by the check. Educational expenses for the remaining period will be considered to be under the same circumstances as at the time the check is transacted. When the loan proceeds exceed these educational costs, the balance shall be paid directly to the student.

Any funds remaining on deposit due the student's withdrawal from the University or failure to reenroll during the loan period, or funds reimbursable due to the student's withdrawal during a term will be returned to the lender from which the student loan was obtained.

ROTC SCHOLARSHIP PROGRAM

See Military Science and Aerospace Studies sections for scholarship information.

MARINE OFFICER PROGRAMS

Qualified students may apply for an officer program leading to a commission as a Second Lieutenant in the United States Marine Corps. Commissions are offered in both ground and aviation components. The Platoon Leaders Course (PLC) is offered to freshmen, sophomores, and juniors who attend precommissioning training during the summer. Financial assistance and Flight Indoctrination Programs are available. Qualified seniors attend twelve weeks of training in the Officer Candidate Course (OCC) after graduation. For details, contact the Placement Officer or the Marine Officer Selection Officer when he is on campus.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a Mississippi corporation whose sole purpose is to receive and manage gifts, contributions, and donations to the University of Southern Mississippi for educational purposes. It provides a centralized receptacle for receiving gifts of any nature to the University, handling these in a manner prescribed by the donor or in accordance with good business judgment, and making the gifts work for the

growth and development of **Southern.** The Foundation is managed by a Board of Directors composed of former students and friends of the University.

The Foundation Charter was so drawn that assistance could be given to any area of development at **Southern** so long as it is used for educational purposes. Some of the long-range plans include: sponsoring research, sponsoring faculty chairs, supplementing faculty salaries, aiding the library, providing special equipment, making possible achievement awards for faculty and students, providing fellowships and scholarships, and contributing to the building of the physical plant.

During the early years of the Foundation, emphasis will be placed on securing scholarship funds. This is considered to be one of the greatest needs at the present time. The Foundation solicits the funds, but the awards are made by the University Scholarship Committee.

SCHOLARSHIPS AVAILABLE THROUGH THE FOUNDATION

Accounting Achievement Endowment—Scholarships to recognize achievement by accounting majors and other activities for the benefit of the School of Professional Accountancy.

Reynolds T. Alonzo, Sr., Loan Fund—To assist students to continue their college education.

American Legion Post 139, Bay St. Louis—Scholarships for worthy undergraduate students who maintain C or better average with preference given to children of Post members who reside in Hancock County.

American Tung Growers Loan Fund—Provides rotating loans for junior, senior, and graduate students majoring in Polymer Science.

Associated General Contractors Scholarship of Mississippi Incorporated—Provides scholarships for the building construction technology program in the College of Science and Technology.

Oliver V. Austin—Deserving, undergraduate major in science.

Mr. and Mrs. Matt B. Bankston—Capable and deserving student residing in South Mississippi in need of financial assistance.

Carrie Norton Herring Bennett—Fellowship to be awarded to a graduate student in the School of Home Economics upon the recommendation of the faculty of that School. Recipients must pay at least half of the sum received within two years of graduation or last attendance.

R. G. Bigelow—High academic, junior, senior, or graduate student who plans to teach.

S. H. Blair Scholarship—Awarded to any qualified student at USM who graduated from the Hattiesburg Public School System, in need of financial assistance, who is enrolled in the area of School Administration or the area of Physical Education showing a preference for the coaching field—other than scholarship athletes.

B.P.O. Elks Lodge 599, Hattiesburg—Awarded to a capable and deserving student from Forrest, Jones, Perry, Lamar, Covington or Marion County.

Kathy Brown—Sponsored by Pen and Sword—Funds from this endowment program shall be awarded to: 1—Active military personnel or dependents of former USM Bootstrappers; 2—Dependents of military personnel; or 3—Other eligibles.

Century Club—Scholarships for athletes.

Citizens Bank, Columbia—Capable and deserving Marion County student.

Citizens Bank of Hattiesburg—Capable and deserving student with preference given to Forrest County and/or Mississippi.

Kent Collins Memorial Football Scholarship

William M. Colmer American Studies Scholarship—Recommendations will be made from American Studies Committee, Chairman of Department of Political Science, and Dean of the College of Liberal Arts for students in American Studies who demonstrate the ideals which Mr. Colmer held in love, loyalty, patriotism to his country.

Commercial National Bank and Trust Company, Laurel—Capable and deserving Jones County student.

Ben F. Courtney—Native of Forrest County, business administration major, and in need of financial aid.

Betty Dukes Craft—Sponsored by Forrest County Home Economics Alumnae and James K. Dukes, brother of Betty Dukes Craft. Outstanding student in Home Economics.

Will H. Davis Real Estate Scholarship—Awarded to a capable and deserving student upon recommendation from real estate area.

Debate Squad Scholarships—Ranging from $50 to $100 per semester to students participating in the USM Intercollegiate Debate Program. Awards based on debate capability on recommendation of the Director of Forensics.

Horace Dickerson—Loan to be awarded to a person on master's level in guidance and counseling or a related field; funds to be repaid after graduation.

Distinguished Professor Award—Presented in the name of the Distinguished Professor of the Year in the same discipline.

Faulkner Concrete Pipe Company, Hattiesburg—Merit and need.

First Guaranty Savings and Loan Association—Junior or senior majoring in Accounting, Marketing, Finance, or Real Estate who resides in Forrest, Harrison, Pike, Covington, Pearl River, Jeff Davis, or Lamar County.

First Magnolia Federal Savings and Loan—Economics or Finance.

First Federal Savings and Loan Association, Pascagoula-Moss point—Capable and deserving Jackson County student.

First Mississippi National Bank, Hattiesburg—Best interest of the University with preference to surrounding area students. Economic need is a factor. Ten awarded.

First National Bank of Laurel—Awarded to a resident of Covington, Jasper, Jones, Perry, Smith, or Wayne County.

Mr. and Mrs. L. Y. Foote Endowment—Best interest of the University with economic need a factor.

Forrest County Alumni Chapter—Capable and deserving Forrest County students.

Bertha M. Fritzsche Graduate Fellowship—Outstanding student in Home Economics.

Austin Edward and Maude M. Gordon—Capable and deserving student in Nursing.

Katherine L. Guice Memorial Social Work Scholarship—Awarded to a capable and deserving student in Social Work upon the recommendation from the faculty in that area.

Gulf National Bank, Gulfport—Hancock or Harrison County student with B average in high school with financial need.

Gymnastic Sports Club—Capable and deserving student in this area.

Lester Haddox—Worthy and promising student from Marion, Amite, Lincoln, Pike, or Walthall County.

Clifford H. and Dr. Sarah L. Hagenson—To be awarded to a student majoring in Early Childhood Education upon recommendation by College of Education and Psychology.

Hancock Bank, Gulfport—Junior or senior student residing in Handock or Harrison County, majoring in Business Administration

Harrison County Alumni Chapter—Capable and deserving Harrison County students.

W. B. Harlan Memorial—Economic need, male student in Business Administration.

Hercules, Incorporated—Scholarships to be awarded to financially needy students in the College of Science and Technology beyond the sophomore year upon the advice of the dean; at least one to be awarded to a member of a minority race.

Fern R. Hesson—Scholarship for worthy undergraduate student in the field of School Food Services.

Alma Hickman—Capable and needy student.

Jones County Alumni Chapter—Capable and deserving Jones County students; preference given to junior or senior students.

Junior Panhellenic Council—Scholarships for outstanding sorority women.

Eleanor and J. B. Kirkland—Provide scholarship assistance to capable and deserving students.

Mr. and Mrs. L. C. Kirkland Endowed Scholarship—Established in memory of their parents, Mr. and Mrs. George Tyson Brewster and Mr. and Mrs. Elijah Thomas Kirkland; to be awarded to capable and deserving students in need of financial assistance.

Selma Krell Endowed—Students in the Department of Theatre Arts.

Ethel Whatley Kroker—Awarded to capable and deserving students with preference given to blood relatives, according to ability and financial need.

Mr. and Mrs. J. D. Lewis Endowment—Scholarship to be awarded on the basis of citizenship record, economic need, academic work, and Mississippian.

L & A Contracting Company—Capable and deserving student.

Lamar County Alumni Chapter—Capable and needy Lamar County student.

Laurel Federal Savings and Loan Association—To be awarded to a student majoring in Finance, Economics, or Business Administration who resides in Jones, Wayne, Jasper, Covington, Smith, Simpson, or Perry County who needs financial assistance.

Lanelle Gaddis Long Home Economics—Capable and deserving student in this area.

Carl L. McQuagge Memorial—Awarded to a person planning to teach school.

Raymond Mannoni—Students majoring in the College of Fine Arts on merit basis.

Marion County Alumni Chapter—Honoring Doyle M. Coats and Miss Chrystelle Ford; to be presented to an outstanding Marion County student.

Medical Technology—Majors in this area.

Morrison Incorporated—Capable and deserving student.

William Walter Munson Memorial—Worthy boys and girls who are enrolled as regular students.

Nursing Scholarships—Capable and deserving students majoring in Nursing.

George Robert Olliphant Memorial—Scholarships for needy and deserving students from Mississippi with preference to Enterprise or to Clarke County.

Paint Research Institute—Graduate fellowship in Chemistry.

Peck Oil Company—Capable and deserving Forrest County student.

Phi Kappa Phi—Awarded to an outstanding student upon the recommendation of Phi Kappa Phi.

Pine Belt Savings and Loan Association—Capable and deserving student who resides in the area of operations of the association in the College of Business Administration.

Pi Omega Pi—Outstanding student in Business Education.

Mary W. Pulley, Mr. and Mrs. James L. Pulley, and Mrs. Jessie P. Gough Memorial Endowed Scholarships—To help worthy students in the ongoing of their education.

M. M. Roberts—Capable and deserving undergraduate student who is a Mississippian.

Tom Pevey Memorial Award—Sponsored by Hattiesburg Lion's Club for Speech and Hearing Science majors.

Mrs. Lula Beverly Praytor Sartin—Awarded to a worthy boy or girl who needs help to complete his/her college education.

School for Children with Learning Disabilities, Memory of Mr. and Mrs. John Hines Howie—Scholarships for prospective teachers in this area.

School of Social Work Fellowship—Awarded to those in this School.

Star-Herald Scholarship—To be awarded to a needy student in Journalism upon recommendation of Journalism faculty.

W. W. Stout Memorial—Creative student majoring in English.

Study Abroad—To assist students in their Studies Abroad Program sponsored by the Foreign Language Department.

Emmett V. Thomas—Capable and deserving students.

John D. Thomas Family Home Economics—Capable and worthy student majoring in Home Economics.

John D. Thomas Family Music Scholarship—Music majors, sophomore or advanced standing, good academic average, Baptist, financial need. Sponsored by Mr. and Mrs. John D. Thomas, Hattiesburg.

William A. Thomson—Capable and deserving student in the Hattiesburg area.

Douglas A. Traweek—Senior student with preference given to Clarke County.

Unifirst Federal Savings and Loan Association—Awarded to a capable and deserving student in need of financial assistance.

B. O. Van Hook Golf Scholarship—Scholarships for outstanding members of the golf team.

J. Fred Walker—Awarded to an outstanding student in Biology or pre-med each year.

Ivah O. Wilber Panhellenic Scholarship—To be awarded annually to a sorority woman upon recommendation of the Dean of Students (Women), the Panhellenic Adviser, and the Panhellenic Council in memory of the former Dean of Women and Panhellenic Adviser.

John Everett Williams Memorial—Sponsored by Jackson County Alumni Chapter—Outstanding students from Jackson County

WVMI-WQID Scholarship—Capable and deserving student in the communications field with preference to radio.

Willie C. Wyatt Memorial Music Loan—Awarded to a music major. To be repaid within three years of graduation or last attendance at no interest.

Mrs. Edna Daves Yarbrough Endowed Scholarship—To be awarded on the basis of evident Christian dedication, belief in God and the Christian faith, application or ability to opportunity and evidence of definite need, good moral character and a high respect for the United States Government.

1958 Class Endowment—Capable and needy student.

1959 Class Endowment—Capable and needy student.

1960 Class Endowment—Capable and needy student.

1961 Class Endowment—Capable and needy student.

1962 Class Endowment—Capable and needy student.

Scholarship Fund of the Sixties—Capable and needy student.

UNIVERSITY LIBRARY SERVICES

Library functions at the University of Southern Mississippi are organized into three major units: the Joseph Anderson Cook Memorial Library, the William David McCain Graduate Library, and the Teaching-Learning Resources Center. Each unit is administered by a director who reports to the Dean of the School of Library Service. In addition to serving as the academic dean to these directors, the Dean of the School of Library Service also has primary responsibility for the academic program of professional education in librarianship. Thus, the School of Library Service unites University libraries and related instructional faculty into one administrative structure.

The Joseph Anderson Cook Memorial Library

The Joseph Anderson Cook Memorial Library contains the principal collections of books, microforms, and other printed materials which directly support the instructional program of the University at all levels. The building is a modern, two story structure which is fire-proof and air-conditioned. Being of modular construction, the building readily lends itself to readjustments in the shelving of materials as holdings increase. Book stacks and reading areas are intermingled throughout the building, and the open shelf method of access to materials is utlized. The Cook Library is currently acquisitioning over 30,000 volumes annually, along with 2,000 journals and extensive microform holdings. On February 1, 1974, the Cook Library converted from the Dewey Decimal Classification System to that of the Library of Congress. Reclassification from Dewey to Library of Congress is proceeding as rapidly as possible. Until reclassification is complete, however, it will be necessary to maintain two shelving systems.

The William David McCain Graduate Library

The William David McCain Library, which opened in 1976, contains the University's special collections of manuscripts, books, and memorabilia and the University Archives. These collections are maintained primarily to support research in selected areas. Among the special collections, the following holdings are the most prominent: Mississippian, the de Grummond Children's Literature Collections, the Woods Collection of rare books, and the papers of William M. Colmer and Theodore G. Bilbo.

The Teaching-Learning Resources Center

Students are provided access to non-print media through the Learning-Resources Center located in Room 107 on the ground floor of the McCain Library. The Center con-

tains study carrels for individualized, self-paced learning. These carrels are equipped with a variety of audio-visual devices including audio cassette players, videocassette players, slide projectors, filmstrip projectors, and motion picture projectors. The non-print media collection contains material from a variety of subjects and is supplemented by materials placed on reserve in the Center by faculty members. The Teaching-Learning Resources Center also provides a wide range of services to faculty members in order to assist them in maintaining a high level of instructional quality for students enrolled at the University of Southern Mississippi.

THE ENGLISH LANGUAGE INSTITUTE

The Institute was founded in 1947 for the purpose of teaching an intensive English course to the foreign student who desired to learn or improve his/her knowledge of the language. Among those who study at the English Language Institute are professionals, non-professionals, and students. Anyone between ages 15 to 70 may be a student.

There are four levels of study at the English Language Institute. Classes with emphasis in English grammar, vocabulary, writing, and reading are offered at every level, although the exact program varies slightly with a student's needs as he progresses. More advanced students have the opportunity to choose part of their program of study. Experienced instructors, many with advanced degrees, offer a variety of teaching techniques. The average class size is ten students.

In addition to class instruction, there are two language laboratories, one monitored for assigned classes and the other open to students who desire to improve their listening comprehension on an independent basis. There is also a conversational tutor program which offers students an opportunity to use English informally with a native speaker. Activities, such as homestays and professional visits, are organized for those students who are interested.

Classification tests, given on the first day of registration, determine the placement of a student. Progression from one level to another is based on a graded series of achievement tests and on faculty approval. A certain level of proficiency must be attained before the student progresses. The Michigan Test of English Language Proficiency is given at the end of each session to levels III and IV. In conjunction with this test, ELI also offers a composition test and a fluency test to indicate a student's active language proficiency.

The English Language Institute, as a part of the University of Southern Mississippi, is authorized under Federal law to enroll nonimmigrant alien students. Applicants are required to complete all items on the application form. Upon receipt and approval of the student's application, the director will mail a certificate of eligibility (Form I-20) which will enable him/her to apply for a Student Visa at the nearest United States Consulate. (Information concerning travel to the U.S. may be obtained from airline offices in the respective countries.)

For further information, write to:

The Director
English Language Institute
Southern Station Box 5065
University of Southern Mississippi
Hattiesburg, Ms 39401
U.S.A.

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association has been in existence since 1917. During the early years its chief function was related to placement service. Beginning with the session of 1945-1946, the organization experienced a rebirth. Recognizing the fact that a working alumni association is vital to the development of the institution, the Executive Committee began the organization of alumni groups in the various counties of the state. On July 1, 1953, a full-time executive secretary was employed.

The Association publishes the ALUMNI NEWS magazine four times a year. Active members of the Association receive all issues while four issues of SOUTHERN NEWS

AND VIEWS are mailed to all persons on record in the Alumni Office. Graduates and former students are urged to become active members of the organization and to help support the program of activities that is designed to assist the University in its growth and development.

The Alumni Association sponsored the drive to raise the funds necessary for the construction of the first R. C. Cook University Union Building (now R. A. McLemore Hall). These funds were secured from alumni, faculty, students, friends, and the people of Forrest County and the state.

For the past several years the Association has enlisted in excess of 10,000 active members with 13,786 being included during the most recent year. This has grown from 158 during the 1952-1953 year.

At the 1954 Homecoming meeting, the Association voted to observe March 30 as University of Southern Mississippi Day. Former students of the University are urged to get together on this date when two or more reside in the same area. Organized chapters elect officers at this meeting. March 30 was selected from the important dates in the history of the school because it was on this day in 1910 that the Mississippi Legislature enacted legislation establishing the institution.

The Alumni Association helped set up the University of Southern Mississippi Foundation which is the receptacle for all gifts to Southern, which gifts are, in turn, channeled into scholarships for the students.

The Association organized, and works very closely with, the Student-Alumni Association. The purpose of this organization is to get students involved with the activities which the Alumni Association promotes in the interest of the University. A maximum of 100 students are selected on the basis of their leadership ability and where they reside; these students are a very interested and active part of the Association.

A. ORGANIZATION FOR INSTRUCTION

The University of Southern Mississippi for purposes of undergraduate instruction is organized into the College of Business Administration, the College of Education and Psychology, the College of Fine Arts, the College of Liberal Arts, the College of Science and Technology, the School of Health, Physical Education, and Recreation, the School of Home Economics, the School of Library Service, and the School of Nursing.

The University of Southern Mississippi offers baccalaureate degrees in the following areas.

College/School	Department	Major	Degree*
College of Business Administration			
	Economics		
		Economics	BSBA
	Finance and General Business		
		Banking and Finance	BSBA
		Business Administration	BSBA
		Real Estate and Insurance	BSBA
	Management		
		Industrial Management	BSBA
		Personnel Management	BSBA
	Marketing		
		Advertising	BSBA
		Marketing Management	BSBA
		Sales Management	BSBA
	(Gulf Park and Natchez)		
		Business Administration	BS
	School of Professional Accountancy		
	Accounting		
		Industrial and Institutional Accounting	BSBA
		Accounting/Data Processing	BSBA
College of Education and Psychology			
	Business Education		
		Bilingual Secretarial Studies	BS
		Business Education	BS
		Office Management	BS
	Counseling Psychology and Counselor Education		
		Social and Rehabilitation Services	BS
	Curriculum and Instruction		
		Elementary Education	BS
		Secondary Education	BS
	Industrial and Vocational Education		
		Industrial Arts	BS
		Industrial Mechanics	BS
		Industrial and Vocational Education	BS
	Psychology		
		Psychology	BA,BS
	Special Education		
		Special Education	BS
College of Fine Arts			
	Art		
		Art	BA,BFA
		Art Education	BFA

*Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education, (BS) Bachelor of Science, and (BSBA) Bachelor of Science in Business Administration.

Music		
	Music	BM
	Music Education	BME
Theatre Arts		
	Dance	BFA
	Theatre	BFA
College of Liberal Arts		
Criminal Justice		BA,BS
English		
	English	BA,BS
	Linguistics	BA
Foreign Language		
	Classics	BA,BS
	French	BA,BS
	German	BA,BS
	Spanish	BA,BS
Geography and Area Development		
	Community and Regional Planning	BS
	Economics	BA
	Geography	BA,BS
History		
	American Studies	BA,BS
	History	BA,BS
	Latin American Studies	BA,BS
	Social Studies	BA,BS
Journalism		
	Advertising	BA,BS
	Journalism	BA,BS
Philosophy and Religion		
	Philosophy	BA,BS
	Philosophy and Religion	BA,BS
Political Science		
	Paralegal Studies	BA,BS
	Political Science (Pre-Law)**	BA,BS
Radio, Television, and Film		
	Radio, Television, and Film	BA,BS
Sociology and Anthropology		
	Anthropology	BA,BS
	Sociology	BA,BS
Speech and Hearing Sciences		
	Audiology	BA,BS
	Education of the Deaf	BA,BS
	Language Disorders	BA,BS
	Speech Pathology	BA,BS
Speech Communication		
	Communication	BA,BS
	Speech Communication	BA,BS
College of Science and Technology		
Biology		
	Biology (Pre-Professional Studies)***	BA,BS

**This program does not lead to a degree. Students completing this program obtain a major in Political Science with an emphasis area in Pre-Law.

***This program does not lead to a degree. Students may select an emphasis from the following areas: Pre-Medical, Medical Records Administration, Pre-Dental, Pre-Dental Hygiene, Pre-Engineering, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy, and Pre-Veterinary Medicine.

Chemistry		
	Chemistry	BS
Computer Science and Statistics		
	Computer Science	BS
	Computer Science/Data Processing	BS
	Computer Technology	BS
	Statistics	BS
Construction and Architectural Technology		
	Architectural Technology	BS
	Building Construction Technology	BS
Geology		
	Geology	BS
Industrial Technology		
	Electronics Technology	BS
	Environmental Technology	BS
	Industrial Technology	BS
	Mechanical Technology	BS
Mathematics		
	Mathematics	BA,BS
Medical Technology		
	Medical Technology	BS
Microbiology		
	Food Science Technology	BS
	Microbiology	BS
Physics and Astronomy		
	Physics	BS
Polymer Science		
	Plastics Technology	BS
	Polymer Science	BS
Science Education		
	Science Education	BS

School of Health, Physical Education, and Recreation

Athletic Administration and Coaching		
	Athletic Administration and Coaching	BS
Health and Safety Education		
	Health Education	BS
Physical Education		
	Physical Education	BS
Recreation		
	Recreation	BS

School of Home Economics

Environmental Design		
	Clothing Merchandising	BS
	Clothing and Textiles	BS
	Interior Design	BS
Family Life Services		
	Child Development	BS
	Home Economics in Equipment	BS
	Marriage and Family Living	BS
Home Economics Education		
	Home Economics Education	BS
Institution Administration		
	Dietetics	BS
	Food and Nutrition	BS
	Hotel and Restaurant Administration	BS
	Institution Management	BS

School of Library Service
Library Science
Library Science BA,BS

School of Nursing
Nursing/Baccalaureate Program
Nursing/Baccalaureate Program BS

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A detailed analysis of majors, emphasis areas, and minors is found under the section of this catalog devoted to each specific college or school.

B. GENERAL ACADEMIC REGULATIONS

1. Semester Calendar: The University of Southern Mississippi is on the semester calendar.

2. Penalties for Late Registration: Registration will continue after the close of the scheduled registration period (see Calendar) for seven class days. Beginning at 8:00 A.M. on the eighth day of scheduled class work all registrations will cease for that semester.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is ten dollars ($10.00).

3. Change of Schedule and Withdrawal from the University: A student may be allowed to drop a course through the 26th class day. A student dropping a course after this deadline will receive a grade of **W** or **F**. A dean may permit a student to drop a course after the deadline without penalty if extenuating circumstances exist. A fee of five dollars ($5.00) is charged for a change in registration after the regularly scheduled registration period (see Calendar).

A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of **W** (withdrawal passing) or a grade of **F** (withdrawal failing).

4. Load of Work: The typical student load is twelve (12) to nineteen (19) semester hours.

a. Freshmen—Nineteen hours is the maximum load for freshmen without dean of college or school approval.
b. Sophomores—Nineteen hours is the maximum for sophomores without dean of college or school approval.
c. Junior and Seniors—Not over 19 hours without dean of college or school approval. The maximum load for juniors and seniors is twenty-one (21) hours.

5. Absences: Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Class attendance policy will be set by the professor. It will be the responsibility of each professor to notify his classes at the outset of each semester as to the attendance requirements to which each student must adhere. Teachers should report all excessive absences to the Dean of Students.

6. Examinations: Examinations will be held on the last five days of each semester (see Calendar).

No final examinations are permitted prior to the scheduled examination period (see Calendar).

A student who is absent from the final examinations without valid reason approved by the Vice President for Academic Affairs forfeits credit for the semester.

7. Grading System:

A — indicates superior work and carries 4 quality points per semester hour.
B — indicates excellent work and carries 3 quality points per semester hour.
C — indicates average work and carries 2 quality points per semester hour.
D — indicates inferior work and carries 1 quality point per semester hour.
E — indicates a course in progress. Not included in the grade point average, a grade of **E** shall be awarded for graduate thesis and dissertation courses and for such self-paced or skill courses as the Academic and/or Graduate Council may designate. An **E** shall be changed to a **P** or a valuative grade **(A,B,C,D,F)** only in the case of credit for thesis

and disserations and then only for the minimum hours required (usually 6 hours). Otherwise, the **E** remains on the record indicating that to receive credit the student must re-register for the undergraduate course, repeating it on a regular basis until completing it. Upon completion, the appropriate grade, whether **P** or valuative, shall be assigned.

F — indicates failure and carries no quality points. A grade of **F** may not be removed by taking an independent study course. The grade of **F** will also be assigned if a student withdraws from the University after the deadline and has failing grades at the time of withdrawal (see below).

W— indicates withdrawal from a course passing (see below).

I — indicates an incomplete record and will have no immediate impact on a student's grade point average. An **I** becomes an **F** if not removed within one term of attendance. An **I** may not be removed by taking an independent study course. The **I** grade in an incomplete course will be treated as an **F** if the student chooses to re-register for the course. A student who is absent from the final examination without valid reason approved by the Vice President for Academic Affairs forfeits credit for the course.

N — indicates a failing grade in courses taken on a pass-fail basis.

P — indicates a passing grade in courses taken on a pass-fail basis.

X — indicates failure to drop or withdraw properly, but only before the 20th class day. It will count as an **F** in the student's grade point average and may not be used for a student who simply stops attending class after the drop date. Upon completion of the drop/withdrawal form and payment of the appropriate fees, the Registrar is authorized to replace the grade of **X** with a **W.**

NOTE: A faculty regulation provides that except in cases of obvious clerical error, a grade of **A,B,C,D**, or **F** may not be changed without permission given by the faculty in regular meeting.

Pass-Fail: Students may take courses either on a pass-fail basis or for a grade. The option must be exercised at the time of registration, and the option may not be altered after the deadline for dropping courses without academic penalty. No more than thirty-six (36) semester hours earned in independent study, extension work, or pass-fail courses, with a limit of eighteen (18) semester hours of pass-fail courses, may be applied toward a degree. No more than twelve (12) semester hours earned from the same department by independent study, extension work, or pass-fail courses may be applied toward a degree. A student may not take a course on a pass-fail basis to remove an **F** or an **Incomplete.** Such courses cannot be a part of a prescribed degree program, i.e., core requirements, major, or minor except for physical education courses in the General Core.

Audit: A student who takes a course for audit (non-credit) must meet the class in the same manner as a student regularly enrolled. Although no credit is awarded, a student who meets the instructor's requirements for a successful audit will receive an appropriate entry on his/her official record. The instructor has the right to remove a student from the final grade roster for non-attendance. The credit option (audit to credit or credit to audit) may not be changed after the deadline for adding courses. The fee for audit is the same as if registered for credit.

Computation of Grade Point Averages: Quality point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. The total hours attempted, for suspension purposes, will include credit undertaken at the University and credit transferred; the quality point average will involve only credit for courses attempted at the University of Southern Mississippi.

Courses in which a student receives an **E** will not be counted in the "total hours attempted."

An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of eighteen (18) semester hours in order to improve his grade-point average. (That is he may repeat one three-hour course six times, three three-hour courses twice each, six three-hour courses once each, etc.) The six-repeat rule shall include all repeats including junior college or any other college or university work. The first six (6) repeats used shall stand. Other than these "repeats" all credit attempted will be used in computing the grade-point average. This policy became effective with courses taken after September 1, 1967.

Dean's List: Students will be placed on the Dean's List if they have maintained a quality point ratio of 3.25 or above on an academic load of twelve (12) semester hours or more, provided they have no grade of **D** or below.

President's List: Students will be placed on the President's List if they have earned a quality point ratio of 4.0 (all **A's**) on a load of twelve (12) semester hours or more.

8. Academic Standards: An undergraduate student, to move assuredly toward a degree, should maintain the following grade point averages.

Total Hours Attempted (Including transfer credit)	**Required Grade Point Average** (USM work only)
18 through 24	1.25
25 through 36	1.50
37 through 48	1.65
49 through 60	1.75
61 through 72	1.80
73 through 84	1.85
85 through 96	1.90
97 through 108	1.95
109 and above	1.97
For graduation	2.00

If a student does not attain the minimum GPA on the scale he is placed on academic probation at the end of the semester. To register for classes the following semester he must receive clearance from his major department chairman and from the dean of the college or school in which he wishes to be enrolled. If evidence of improvement toward the prescribed GPA is made during the probationary period the student is continued on probation the subsequent semester but is considered making progress toward a degree.

However, students receiving Veterans Administration educational benefits under Chapters 31, 32, 34 and/or 35 may not receive benefits during a second consecutive probationary period unless approved by the Veterans Administration.

However, if the student does not attain the prescribed GPA after two probationary semesters, he will be placed on academic suspension and must withdraw from the University for one semester or be cleared for readmission by the appropriate dean upon appeal. Notice of probation or suspension will be carried on the end-of-semester grade report. Total hours attempted will include credit undertaken at the University and credit transferred. The quality point average will involve only courses attempted at USM. Courses in which a student received an **I** will not be counted in the "total hours attempted."

Appeals for reinstatement by students suspended under this policy will be directed to the department chairman and the dean of the college or school in which the student is enrolled.

Any student who earns a **0.00** grade point average on twelve (12) or more hours for any one semester will be automatically suspended regardless of his overall grade point average and must appeal the suspension in the same manner as any other academically suspended student.

Students on academic or disciplinary suspension may not enroll in courses offered by the University of Southern Mississippi.

9. Memorandum of Credits: A memorandum of credits is a statement available from the Office of the Registrar showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are fifty cents each.

10. Classification of Undergraduates: A student is classified as a: **Freshman** when he has less than 27 semester hours of earned credit; **Sophomore** when he has as many as 27 semester hours and less than 54 semester hours: **Junior** when he has as many as 54 hours and less than 87 hours; **Senior** when he has 87 or more semester hours of earned credit.

11. Course Numbering: Freshman courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 or above. Courses taken by independent study will carry the prefix **C.** Honors courses carry the prefix **H.**

The department code number which is used at registration is listed in the Course Description Section of this **Bulletin.**

Freshman and sophomore students are not ordinarily permitted to register for upper division courses.

12. Course Sequence and Related Sequences: Certain 100 and 200-level courses may not be taken for credit by a student after he has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Course Description Section of this catalog. Selection of the courses, as well as exceptions to the policy, is left to the department chairmen.

13. Credit by Examination: The University of Southern Mississippi will allow students to earn credit by examination under one or more of the following programs up to a total of thirty (30) semester hours.

Credit earned through the use of the examination will be included in the sixty-four (64) hours "Limitation of Transfer Credits" rule and may not be used to meet the thirty-two (32) hours on-campus requirement.

a. **College Level Examination Program:** The University of Southern Mississippi will allow credit examination to those students who have participated in the College Level Examination Program and have achieved a scaled score of 500 or above. Credit will be restricted to students who have been out of high school for at least three (3) years. It will be the responsibility of the Admissions Office to determine a person's eligibility to receive credit. A student who has earned over thirty (30) semester hours of college credit may not earn additional credit through the use of this examination. Credit appearing on another institution's transcript will be accepted as transfer credit. Credit will be granted for successful completion of the examination in the following manner.

CLEP General Examination	Course Equivalent	Semester Hours
English Composition	ENG 101, 102	6
Social Science	History	3
	Soc. Sci. Elective	3
Natural Science	FS 104, 106	6
Humanities	AA 100	3
	Literature	3
Mathematics	MAT 101	3
	MAT Elective	3
Total		30

Credit will be awarded for each area in which the student receives a scale score of 500 or above.

b. **College Level Examination Program: Subject Area Examination:** A student of any age who has not earned college-level credit in the subject area in which he/she seeks credit can take a CLEP subject-area examination for advanced placement and college credit. **CLEP credit cannot be used to remove an F grade.** Credit will be awarded for a scale score of 50 or above. The optional essay is required for all English and Psychology examinations. The appropriate department at USM will have final determination in the amount of credit to be awarded based on the optional essay. Under this program, students are restricted to a maximum of thirty (30) semester hours, with not more than six (6) hours or two (2) courses in one subject-matter area. (It is understood that the thirty (30) hour total includes all credit earned by examination.) The adoption of the CLEP standardized examination will preclude the use of departmental examinations except in those areas where CLEP examinations are not available. The Admissions Office will be charged with responsibility for determining student's eligibility to earn credit through these examinations. Credit appearing on another institution's transcript will be accepted as transfer credit.

Additional information, applications, and CLEP Bulletins may be secured from the Office of High School and Junior College Relations, Room 212, Student Services Building, or by writing Southern Station, Box 5011.

c. **Advanced Placement Program:** Students from cooperating high schools can earn up to eighteen (18) hours (with no more than six (6) hours or two (2) courses in one subject-matter area) through the College Board's Advanced Placement Testing Program. Credit is to be awarded only for grades of 3 or above. The awarding of credit will be administered by the Office of Admissions.

d. **Challenge Examination:** Under the following policy, and with the approval of the Vice President for Academic Affairs, departments may grant credit by examination in lieu

of class enrollment for courses where no CLEP subject area examination is offered.

a. The examination must be given by the department in which the course is offered.
b. The department chairman must be assured that the student has had some formal or informal learning experience which has prepared him for the examination.
c. The student must make application to the chairman of the department in which the course is offered. If approval is granted, the student will pay a $10.00 examination fee in the Business Office. The student then presents his receipt to the department chairman who will administer the examination.
d. If the student passes the examination, a memorandum must be forwarded to the Registrar giving the name of the department, course number, course title, grade, semester hours, and the date the examination was taken and evidence that the examination fee has been paid.

14. Summary of Types and Limitations of Credit Usage

The following is a summary of the limitations placed on credit usage:

a. Sixty-four (64) semester hours through a combination of credit by examination, extension, independent study, and Armed Forces experiences.
b. Thirty-two (32) semester hours through a combination of independent study (including USAFI) and extension work. (USAFI and other correspondence credit limited to nine (9) semester hours in any one field.)
c. Thirty (30) semester hours credit by examination (including CLEP).
d. Thirty (30) semester hours through a combination of independent study, extension, and pass-fail credit.
3. Eighteen (18) semester hours of pass-fail credit.
f. Twelve (12) semester hours in the same department through a combination of independent study, extension, and pass-fail.
g. Sixty-four (64) semester hours in a senior college are required for a baccalaureate degree. Of this total forty-five (45) must be in course numbers 300-level or above.
h. The types of credit considered as senior college work are: (1) USM-Hattiesburg; (2) USM-Gulf Park; (3) USM-Natchez; (4) USM-Jackson County; (5) USM-Jackson; (6) Extension; (7) Independent Study; (8) USAFI*; (9) Armed Forces experiences.*
i. Types of credit not considered senior college work: (1) Junior college transfer work; (2) CLEP; (3) USAFI**; (4) Armed Forces experience.**

*If course number evaluations are 300-level or above
**If course number evaluation are below 300-level

C. GENERAL DEGREE REQUIREMENTS

1. Choice of Catalog: Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation and which carries announcements for a year during which the student earned some credit at the University of Southern Mississippi. A transfer student from a Mississippi junior college may graduate under a catalog which was in force during the time he attended a Mississippi junior college provided the catalog is not more than six years old at the time of the student's graduation.

2. Hour Requirements: An applicant for a degree must complete 128 semester hours, including core requirements and major and minor requirements. Not more than nine (9) semester hours in physical education activity courses, and not more than four (4) semester hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 128 semester hours, sixty-four (64) must be earned in a senior college, and forty-five (45) of the sixty-four (64) must be in courses numbered 300 or above.

3. Quality Point Requirement: A student must earn a quality point ratio of at least 2.0 (an average grade of C) based on all courses undertaken at the University of Southern Mississippi. Grades in pass-fail courses do not carry quality points.

4. Hour and Quality Point Requirements for Pre-Professional Degrees: University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or the Bachelor of Arts degree in professional, accredited schools of

medicine, medical technology, dentistry, or law on the following conditions:

a. that (90) hours of credit and 180 quality points shall have been completed, with a minimum of two semesters and thirty (30) semester hours of residence at the University of Southern Mississippi;
b. that all core requirements for the degree shall have been completed;
c. that credit and quality points shall be transferred back to the University of Southern Mississippi from the accredited school of medicine, dentistry, medical technology, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In any case, a minimum of 128 semester hours must be completed before the degree can be awarded;
d. that the program leading to the degree shall be completed within two calendar years of the termination of the last semester of residence at the University of Southern Mississippi.

5. Residence Hour Requirements: To become eligible for a bachelor's degree at the University of Southern Mississippi, a student must:

a. earn his last thirty-two (32) semester hours at the University of Southern Mississippi, of which twelve (12) semester hours must be in upper-division courses in his major. Military personnel participating in Operation Bootstrap may meet this requirement by completing thirty (30) semester hours of resident credit;
(Special Note—to receive the Bachelor of Science in Business Administration degree from the College of Business Administration, a student must complete the senior year's work (32 semester hours) on the Hattiesburg campus. At least twelve (12) of the thirty-two (32) semester hours must come from senior level courses in the major field. This policy applies to all students, including transfer students from other colleges and universities and those students at USM-Gulf Park and USM-Natchez. The transfer student must meet the quality point requirements for work undertaken on the Hattiesburg campus that apply to all the regular students.)
b. earn at least twelve (12) semester hours of the bachelor's program on the campus from which the degree will be awarded except for the Bachelor's of Science in Business Administration which requires the last thirty-two (32) semester hours on the Hattiesburg campus;
c. earn at least twelve (12) semester hours of resident credit in the major field of study at one of the campuses of the University except for the Bachelor of Science in Business Administration which requires at least twelve (12) semester hours of senior level work in the major field on the Hattiesburg campus;
d. recognize the limitation on Independent Study Courses: A long-standing regulation provides that students will not be permitted to do independent study while in residence. Students not attending the University during the summer session are not considered to be in residence and may enroll in independent study courses without prior approval; however, they should consult with their faculty adviser for assistance in course selections. Exceptions to this regulation can only be made with the approval of the appropriate dean and the Vice President for Academic Affairs. If a student takes an independent study course during his last semester of attendance, he may not register for an independent study course after he leaves the campus with the expectation of completing requirements for his degree.

6. General Core Requirements: The purpose of the General Core requirement is twofold: to give all University students a common cultural experience, and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges and schools to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The General Core requirement, common to all degree programs, is itemized below.

THE GENERAL CORE CURRICULUM

	Hours
English 101, 102	6
Humanities and Fine Arts	
Six hours from the following areas: literature, allied arts, foreign language, history, philosophy, religion	6
Social Sciences*	
Nine hours from the following areas with no more than three hours from any one area: anthropology, economics geography, psychology, sociology, political science	9
Mathematics	3
Science*	6
Physical Education or approved substitute**	2
Total	32

*For recommendations and requirements in these areas, the student should consult the introduction to the appropriate degree-granting college or school. Note also that each college or school has additional requirements for its specific core. In addition each degree-granting college or school has its own requirements for a particular degree. These requirements are designed to give the student the necessary preparation for completing a major and are listed in the Colleges and Schools Section.

**Students are required to take two physical education activity courses during the freshman year unless excused from the requirement by the University physician or the dean of his school or college. Students who complete Military Science I or Aerospace Studies are excused from the physical education requirement. Those participating in varsity athletics, Marching Band, Dixie Darlings, Cheer Leaders, or Pom Pon Girls may substitute this for required physical education. Only one physical education activity course may be taken any one semester. Each of the following theater courses may be substituted for one hour of the General Core Physical Education requirement: Theatre 105, 106, 150, 250. A graduate of a Mississippi junior college will not be required to complete additional physical activity courses in order to meet catalog requirements for graduation.

7. Exemption from the General Core Requirements: With the approval of the appropriate dean, students may be exempt from any part of the core requirements for any degree on the basis of satisfactory attainment as demonstrated by previous academic record. The granting of this exemption by a dean does not involve the bestowal of credit; neither does it reduce the total number of hours to be earned for a degree. Its only effect is to increase the number of electives which the student may include in his degree program.

8. Change of Major within a College or School: Any student wishing to change his major within a college or school must secure the approval of the dean.

9. Change of College or School: Students wishing to transfer from one college or school of the University to another must make application to and be approved by the dean of the college or school they wish to enter.

10. Quality Point Requirement for the Major and Minor: A student must have a quality point average of at least 2.0 (a C) in the major field and in the minor field on courses taken at the University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at the University of Southern Mississippi. If the transferred work does not average at least a **C**, the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at the University of Southern Mississippi a sufficient number of courses on which grades of **D** were transferred and thereby raising the grades in those courses to the level required for a **C** average, or (b) striking from the transferred transcript courses in the major or minor field with grades of **D** and taking additional courses in the major or minor at the upper division level to meet the University's degree requirements.

11. Application for Degree: A student is expected to file an application for a degree at least two (2) semesters before degree requirements are completed and an application will be accepted no later than the last class day of the semester preceding graduation. This application filed with the Registrar will show the work completed by the student and the courses planned for the ensuing semesters. Filing two (2) semesters in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up deficiencies found in the degree program. After the application has been approved by the Registrar's Office, it becomes the student's official degree program.

No application for degree will be accepted until the degree fee of fifteen dollars

($15.00) has been paid at the Business Office. Application forms may be obtained in the school or college Office of the Dean.

12. Approval of Faculty: The names of all applicants for degrees are submitted to a vote of the faculty. If this vote is favorable, the President of the University is authorized by the Board of Trustees to grant the degree.

13. Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or the highest honors. The residence requirement for such degrees is not less than four semesters with a load of not less than twelve (12) semester hours in residence credit each semester (a load of not less than six (6) semester hours each quarter will apply to USM-Gulf Park and USM-Natchez), and totaling not less than fifty-four (54) semester hours of residence credit on the Hattiesburg campus. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more. Graduation **cum laude** will be granted to students who meet the following stipulations: (a) the satisfactory completion of a comprehensive examination in the major field, such examination to be designed and administered by the department involved; (b) the satisfactory completion of a senior project resulting in a written report on that project meeting the guidelines presently in effect for senior Honors projects; (c) notice of intent to meet these requirements must be filed with the Dean of the Honors College at least one calendar year prior to graduation; (d) an overall quality point average of 3.25 to 3.49. Graduation **magna cum laude** will be granted to students who meet the following stipulations: (a), (b), and (c) above, (d) an overall quality-point average of 3.50-3.79. Graduation **summa cum laude** requires (a), (b), and (c) above, (d) an overall quality-point average of 3.80 or above.

14. Second Baccalaureate Degree: The University of Southern Mississippi will grant a candidate a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least thirty-two (32) semester hours with at least sixty-four (64) quality points (equivalent to a 2.0 average on a 4.0 scale). The actual number of hours to be taken (which may exceed thirty-two (32) as well as the specific degree requirements will be established by the academic department responsible for the area of study in which the second baccalaureate is sought. In all cases, a 2.0 grade point average is required.

Students enrolled in a second degree program may be allowed to repeat a total of six (6) semester hours in order to improve the grade point average.

D. MINOR REQUIREMENTS

In addition to the major, each student, should his program so require, must also choose a minor (or else a second major). He should select his minor in consultation with his adviser. A minimum of eighteen (18) semester hours is needed for the minor, with the quality point requirement as noted in paragraph C-10 above. Students who complete the Advanced Course in Military Science (ROTC) or the Professional Officer Course in Aerospace Studies (AFROTC) are allowed to waive the requirement for an academic minor. The work taken in the major may not apply to the minor.

With certain exceptions any of the areas of specialization or majors indicated above may be selected for the minor. In choosing a minor, however, the student should be guided by the following policies:

1. A student working for a non-teaching degree must establish a minor (18 hours) chosen from the fields listed above as possible majors with two exceptions:
   a. A student may establish a minor for the non-teaching degree in general science by offering twenty-seven (27) hours from two or more appropriate fields (biology, chemistry, geology, mathematics, and physics), provided he offers at least nine (9) hours from each field he chooses to include.
   b. To establish a minor in any field, a student must earn at least nine (9) hours above the core requirements in that field.
2. A student working for a teaching degree in secondary education necessarily establishes a minor in secondary education.

Since many high schools in Mississippi require teachers to teach in more than one field, it is recommended that students working for secondary education certification plan their electives so as to meet certification requirements in some subject in addition to their major.

COLLEGE OF BUSINESS ADMINISTRATION
ACADEMIC OFFERINGS

Department	Major	Degree**
ECONOMICS		
	ECONOMICS*	BSBA
FINANCE AND GENERAL BUSINESS		
	BANKING AND FINANCE	BSBA
	BUSINESS ADMINISTRATION*	BSBA
	REAL ESTATE AND INSURANCE	BSBA
MANAGEMENT		
	INDUSTRIAL MANAGEMENT	BSBA
	PERSONNEL MANAGEMENT*	BSBA
MARKETING		
	ADVERTISING	BSBA
	MARKETING MANAGEMENT*	BSBA
	SALES MANAGEMENT	BSBA
(Gulf Park and Natchez only)* **		
	BUSINESS ADMINISTRATION*	BS
SCHOOL OF PROFESSIONAL ACCOUNTANCY		
ACCOUNTING		
	ACCOUNTING/DATA PROCESSING	BSBA
	INDUSTRIAL AND INSTITUTIONAL ACCOUNTING*	BSBA

*Minor Available
**Degree Abbreviations: (BS) Bachelor of Science, (BSBA) Bachelor of Science in Business Administration.
***Degree-granting off-campus centers

BULLETINS

The University of Southern Mississippi has four publications each year; the **Undergraduate Bulletin**, the **Graduate Bulletin**, the **Independent Study Bulletin**, and the **Regional Campus Bulletin.** To get the complete programs of the University, please check each **Bulletin.**

COLLEGE OF BUSINESS ADMINISTRATION

Joseph A. Greene, Jr., Dean
H.O. Jackson, Assistant Dean

PURPOSE

Rapid technological change, the increasing complexity of society, and the growing role of government in business, economic, and social affairs are placing new requirements on the administrators throughout the country whether they are employed in business, government, or non-profit organizations.

Within the College of Business Administration the content of the courses and the curricula are changed as needed to see that the College meets its primary objective of assisting students in securing entry-level positions in business and government and provides them the background for attaining higher levels of managerial responsibility after experience. The young men and women who study in the College are provided with the opportunity for a liberal education as well as professional training. They are prepared to be flexible in their thinking and adaptable to change as well as knowledgeable in their chosen fields. Thus they are given help in preparing not only for careers but also for satisfactory lives and as constructive citizens.

A second objective of the College is to provide quality graduate education at the master's degree level for those currently working in business, military personnel with a need for business education, and college graduates who intend to pursue further graduate work elsewhere or prepare themselves better for beginning positions in business or government.

Lastly, the College is committed, as resources permit it, to servicing businesses, professional groups, and governmental units in the area through applied research and the sponsoring of workshops and seminars.

To keep current changes in business education throughout the country the College is a member of the Southern Business Administration Association and the American Assembly of Collegiate Schools of Business.

All undergraduate programs are fully accredited by the American Assembly of Collegiate Schools of Business.

ORGANIZATION AND OPERATION

Academic Areas

The College of Business Administration is organized so the student, after choosing a particular academic major, is placed under the jurisdiction of his school or department for academic advisement and attention. Each area offers several majors, so a student should examine the alternatives to select the one which suits him best.

The academic areas are the School of Professional Accountancy and the Departments of Economics, Finance, Management, and Marketing.

There is some divergence in the curriculum for those students majoring in accounting, but for the majority of students in the College, they pursue the same curriculum except for the major course requirements. Thus, it is possible for a student to change his major, if he has a change in interest, without a loss of time until the second semester of his junior year. Upon completion of all requirements the students, except in the School of Professional Accountancy, are awarded the degree of Bachelor of Science in Business Administration. The accounting student may secure this degree or, if he meets specified requirements, pursue the five-year program leading to a master's degree in professional accounting.

Administrative Office of the College

The Office of the Dean is the chief administrative office for the College. Each academic Department has a chairman who is in charge of the programs in that department and the faculty who serve as student advisers for those programs. Most academic problems for the undergraduate student will be solved at the departmental level. The School of Professional Accountancy has a director and faculty advisers for all students majoring in accounting.

Under the Dean is the Coordinator of Graduate Studies who accepts and processes all applications for the Master of Business Administration degree. The graduate program in accounting is handled by the Director, School of Professional Accountancy. The student interested in graduate work upon completion of his undergraduate degree should contact the Coordinator of Graduate Studies concerning entrance requirements, objectives of the various emphases, and the possibility of a fellowship.

The Bureau of Business Research is another administrative unit under the Dean. Its functions are designed to complement the overall program and objectives of the College of Business Administration. Specific functions included are to: provide an administrative framework for research projects; provide a source of support for, and flexibility of approaches to, research by faculty members (including Bureau staff); publish research reports; provide a readily identifiable point of contact for business, industry, and government relative to research and services in the area of business and economics; provide for the development and execution of service programs; and maintain a framework to assist in the education and training of students.

STUDENT PROCEDURES

Admission

High school graduates who are interested in a field of business and are admitted to the University as beginning freshmen will be admitted directly to the College of Business Administration.

Students desiring to transfer from another school or college in the University must be in good academic standing and must bring to the Office of the Dean a transcript from the Registrar's Office for evaluation purposes. If the student is accepted he is assigned to a department for advisement purposes and his record is transferred to his new adviser.

Transfer students from other four-year colleges or universities are admitted directly to the College upon admission to the University. Credits are evaluated in the Office of the Dean and records are distributed to the departments for advisement purposes.

The junior college student intending to complete his degree in the College should concentrate on completing his requirements as listed below in the Basic Curriculum Outside the College. Courses in business should be limited to the principles of accounting, principles of economics, and legal environment of business. The College will not accept as meeting curriculum requirements business courses taught at a junior college which are offered here at the junior or senior level. Also, courses which are designated as technical training courses or remedial courses of subcollegiate level such as intermediate algebra may not be used in meeting degree requirements. It is imperative that the student pay particular attention to the requirements in mathematics.

The student majoring in accounting who desires the specialized degree in accounting must be admitted to the School of Professional Accountancy though he is still a student within the College. This may be done only after he has completed a sufficient number of accounting courses at the junior level to demonstrate exceptional ability in the field.

Advisement

The student is given an adviser within the department of his major. His record is maintained in that department, and he is expected to go to the department each semester, pick up his registration packet, and consult with his adviser concerning his schedule. The packet must be signed by the adviser before registration can be completed.

Students in accounting will be advised within the School of Professional Accountancy.

Continuation

While in the College the student must maintain the quality point average prescribed for his number of hours undertaken as designated under University regulations or face academic suspension. If suspended or placed on probation, the student may make application for reinstatement through forms provided in the Office of the Dean. His application is acted upon by the Reinstatement Committee which reviews these applications the day prior

to the registration period of each semester and interviews those students who are denied reinstatement and wish to appeal.

Graduation Requirements

To receive the Bachelor of Science in Business Administration degree from the College of Business Administration the senior year's work (32 semester hours) must be taken on the Hattiesburg campus.

Of this requirement a sufficient number of hours of senior level courses in the major field must be taken to assure the quality of the degree. The absolute minimum is twelve (12) semester hours though this may be higher depending upon the recommendation of the department chairman.

This policy applies to all students, including transfer students from other colleges and universities and those students at USM-Gulf Park and USM-Natchez.

The transfer student must meet the quality point requirements for work undertaken on the Hattiesburg campus that apply to all regular students.

For graduation the student should file his application for degree two semesters in advance of his anticipated semester of graduation, and no later than mid-term of the semester prior to the graduation semester. The application form with instructions is to be picked up in the Office of the Dean. The degree application does not become a formal type of contract with the student for graduation until it has been thoroughly checked for all requirements by the degree clerk of the College in the Registrar's Office and approved by the Dean. Any changes requested on the application after its acceptance must come from the Office of the Dean.

To meet graduation requirements the student must meet all requirements of his curriculum and have a 2.0 average overall, in his major requirements, and in the College of Business Administration. He must have a minimum of fifty-two (52) semester hours in the College of Business Administration as well as a minimum of fifty-two (52) semester hours in the Colleges of Liberal Arts and Science and Technology. Total hours required for graduation are 128.

Placement

The College cooperates with the University Placement Services Office in assisting its graduates in finding positions. The student is expected to establish a file with Placement Services two semesters before graduation to avail himself to the opportunities to be interviewed or contacted by the many businesses and governmental bodies interested in business graduates.

Student Organizations and Student Assistance

The College promotes several professional and honorary societies for students in order to foster fellowship and scholarship among those with similar interests. These organizations are: Alpha Epsilon Alpha, professional fraternity in accounting; Beta Gamma Sigma, National Honorary Fraternity in business; Delta Sigma Pi, professional fraternity for men in all areas of business; Omicron Delta Epsilon, honorary society in economics; Phi Chi Theta, professional fraternity for women; Rho Epsilon, professional fraternity in real estate; Society for Advancement of Management, professional fraternity in management; the U.S.M. Chapter-American Marketing Association. Representatives from these fraternities and other students constitute the Business Student Advisory Council which works closely with the Dean in several projects.

There are several scholarships available exclusively for students in the College of Business Administration as well as many others for which business students may apply. Any inquiry should be addressed to: Director of Financial Aid, Southern Station, Box 5101, Hattiesburg, Mississippi 39401

BASIC CURRICULUM FOR ALL MAJORS IN THE COLLEGE OF BUSINESS ADMINISTRATION FOR FRESHMAN AND SOPHOMORE YEARS

The business graduate, though career oriented, must live and work in a changing society which will continually offer him personal and business challenges. Business leaders must have a blend of background which makes them cognizant of the past, articulate in many subjects, adaptable to change, and capable of using basic business tools on which to build with the specialized subjects of their majors. The first two years plus common business subjects taken during the last two years have been designed for this purpose.

It may be observed a great deal of flexibility is offered in some of the areas. This permits the student a selection according to his interest and also permits him to substitute junior and senior level courses if he failed to cover the subjects in his first two years or is particularly interested in some courses subjects in his first two years or is particularly interested in some courses offered at the upper level.

Remedial courses in English, mathematics, and science may not be counted toward meeting degree requirements.

Mathematics 312 is strongly recommended and is a necessity for the student contemplating graduate work.

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Geography or Political Science	3
History	6
Mathematics 101, 112	6
Physical Education or ROTC/AFROTC	2
Science—biology, chemistry, fundamentals, geology, or physics	6
Speech Communication 111 (advanced course acceptable)	3
	32

SOPHOMORE	SEM. HRS.
Accounting 201, 202	6
Anthropology, psychology, sociology	6
Economics 255, 256	6
General Business 290	3
General Business 295	3
Humanities— Literature	3
Two courses from: literature, allied arts, foreign language, religion, philosophy	6
	33

SCHOOL OF PROFESSIONAL ACCOUNTANCY

Jerold J. Morgan, Director

H.G. Anderson, Carpenter, Dear, Estes, Harris, Harrison

H. Jackson, Kenamond, Kilpatrick, H. Parker, Posey, Thrower, Torres, Wilson

The School of Professional Accountancy offers undergraduate programs with sufficient options to permit students to prepare for careers requiring differing levels of expertise in accounting. The major in Industrial and Institutional Accounting is the traditional four-year undergraduate program which prepares students for a majority of the entry level accounting positions in business and government. The Accounting-Data Processing major is a newer program which is intended to prepare students for those positions in which competence in both accounting and data processing is required. In addition, these programs are designed to form a firm foundation for graduate study in business or in professional accountancy. Upon completion of either program the student is awarded the Bachelor of Science in Business Administration degree.

The program in Professional Accountancy is a five-year program leading to the Master of Professional Accountancy degree. This program is designed to serve the needs of students who wish to pursue careers in public accounting and in professional accounting positions with business and government. Students seeking admission to the professional program must apply to the School of Professional Accountancy and meet rigorous admis-

sion and retention standards. Applicants may apply for admission to this program upon completion of ninety (90) semester hours of undergraduate work including at least twelve (12) semester hours credit in accounting courses numbered above 300. A minimum overall grade point average of 2.75 is required for admission with the minimum of a 3.00 grade average in accounting courses numbered above 300. Before enrolling in courses numbered 500 and above, students must gain admission to the Graduate School. The student is awarded a Bachelor of Science in Business Administration degree upon completion of 128 hours which include all courses required for either four-year major. Upon completion of the full program with a minimum of a 3.0 grade average in courses numbered above 400, the student is awarded a Master of Professional Accountancy degree.

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ACCOUNTING

JUNIOR YEAR	SEM. HRS.
Accounting 301, 302, 320, 330	12
Computer Science 342	3
Economics 301, 302, 330	9
Management 360	3
Marketing 300	3
Mathematics 312	3
	33

SENIOR YEAR	SEM. HRS.
Accounting 307, 401, 409, 420	12
Finance 389	3
General Business 311	3
Management 485	3
Electives (Students planning to enter the Professional Accountancy program should select three courses from Accounting 402, 405, 410, and 430)	10
	31
TOTAL:	128

After completion of the BSBA program above, students desiring to pursue the professional program in Accountancy must gain admission to the Graduate School and pursue the following program.

FIFTH YEAR	SEM. HRS.
Accounting 502*, 505*, 510*, 530*, 580*, 605, 610, 630, 640	27
Economics 606 or 625 and Economics 608 or General Business 615 or General Business 625	6
	33

*Students who have credit in equivalent undergraduate courses may waive up to three hours or substitute business courses numbered over 600 with consent of the director.

REQUIREMENTS FOR A MAJOR IN ACCOUNTING — DATA-PROCESSING

JUNIOR YEAR	SEM.HRS.
Accounting 301, 302, 320	9
Computer Science 320, 341, 342	9
Economics 301, 302, 330	9
Management 360	3
Mathematics 312	3
	33

SENIOR YEAR	SEM.HRS.
Accounting 330, 401, 409	9
Computer Science 442, 480	6
Finance 389	3
Management 485	3
Marketing 300	3
Electives (Students planning to enter the Professional Accountancy program should select from ACC 307 and accounting courses numbered above 400)	9
	31
TOTAL:	128

After completion of the BSBA. program above, students desiring to pursue the professional program in Accountancy must gain admission to the Graduate School and pursue the following program.

FIFTH YEAR	SEM. HRS.
Accounting 502*, 505*, 510*, 520*, 530*, 580*, 605, 610, 630, 640	30
Economics 606 or 625 and Economics 608 or General Business 615 or General Business 625	6
	36

*Students who have credit in equivalent undergraduate courses may waive up to six hours or substitute business courses numbered over 600 with consent of the director.

RECOMMENDED MINOR

Accounting 201, 202, 301, 302, 320, 330

DEPARTMENT OF ECONOMICS

Tyrone Black, Chairman

Cameron, G. Carter, Greene, E. Lewis, C. Li, M. Martin, McQuiston, Nissan, Whitesell, D.C. Williams, Wimberly

The Economics Curriculum is designed to prepare students for positions in business, government, education, and for graduate study. The courses in the Economics major augment the basic non-business and business curricula, and the complete, four-year program provides the requisite skills for entry-level positions. Additionally, the courses comprising the major analyze many of the economic problems and issues that middle- and upper-level managers and administrators must deal with. For those who are interested in careers in government or international trade, concentrations in both areas are available and are listed below.

JUNIOR AND SENIOR REQUIREMENTS FOR MAJOR IN ECONOMICS (BSBA)

(Freshman and sophomore requirements for a major in Economics are listed in the beginning section of the College of Business Administration.)

JUNIOR YEAR	SEM. HRS.
Economics 301, 302, 330, 340, 345, Economics Elective*	18
Elective	3
Finance 389	3
Management 360	3
Marketing 300	3
Mathematics 312	3
	33

SENIOR YEAR	SEM. HRS.
Accounting 300	3
Directed Elective**	3
Economics 310, 435, Economics Electives (2)*	12
Electives	10
Management 485	3
	31
Total:	128

*The Economics electives can be selected for the following concentrations:
1. Public Administration - Economics 401 and 402 and Political Science 370.
2. International Trade - Economics 440, Finance 472, and Marketing 495.

**Mathematics, computer science, social science, or behavioral science courses may be used for the directed elective.

A Bachelor of Arts in Economics is also available; the requirements for the B.A. degree are listed in the Liberal Arts section of this **Bulletin.**

The recommended minor in Economics for students outside the College of Business Administration consists of Economics 255, 256, 301, 310, 330, 340 and 345.

DEPARTMENT OF FINANCE AND GENERAL BUSINESS

William A. Sirmon, Chairman

Burton, Cartee, Clements, Daniel, C. Dennis,
B. Green, Hamwi, B. Jordan, R.T. King, West

This department offers major fields of study in three areas: Banking and Finance, Business Administration, and Real Estate and Insurance. The policy of the department is to stress education in the selection and handling of tools for problem-solving, analysis, and decision-making in each of the three areas of study. An approach of this kind is premised on the belief that the best qualification for administering business in the three areas is a mind disciplined to identify and analyze administrative issues and to make decision at all levels of management.

The offerings in the field of Banking and Finance qualify the student to enter administrative training programs of financial and non-financial institutions. Offerings in the Business Administration field necessarily cut across several segments of the business curriculum including economics, finance, management, and marketing, thus opening the door to a somewhat wider range of job opportunities. Offerings in the Real Estate and Insurance major are, by contrast, more specialized, being designed essentially for the person interested in selling, risk management, and property and agency management, as they relate to the insurance and real estate industries.

The student who wishes to further his education may work for the master's degree with an emphasis in finance. This degree will strengthen his qualifications for higher-level administrative positions in business and will also open new doors to teaching, research, and graduate work at the doctoral level.

The department has a recommended minor for non-business majors which requires ACC 201 and 202, ECO 200, and three electives from one of the following fields: Finance, Business Administration, or Real Estate and Insurance.

REQUIREMENTS FOR A MAJOR IN BANKING AND FINANCE

JUNIOR YEAR	SEM. HRS.
ACC 300 Administrative Accounting or ACC 301 Intermediate Accounting	3
ECO 301, 302 Statistics I, II	6
ECO 330 Money and Public Policy	3
FIN 389 Business Finance	3
GBA 375 Managerial Communications	3
MGT 360 Fundamentals of Mgt.	3
MKT 300 Principles of Marketing	3
REI 325 General Insurance	3
REI 326 Intr. To Actuarial Sci. or MAT 312 Applied Math for Business	3
Directed Elective*	3
	33

SENIOR YEAR	SEM. HRS.
FIN 350 Bank Administration	3
FIN 355 Problems in Bank Admin.	3
FIN 352 Principles of Investments	3
FIN 462 Security Analysis	3
FIN 480 Financial Management	3
MGT 485 Administrative Policy	3
Major Electives**	6
ACC 301, 302 Inter. Acctg. I, II	
ECO 401 Public Finance	
FIN 320 Personal Finance	
FIN 472 International Finance	
RFI 432 Real Estate Finance	
Elective	1
	31
Total:	128

**Any of these or other courses approved by chairman.

REQUIREMENTS FOR A MAJOR IN BUSINESS ADMINISTRATION

JUNIOR YEAR	SEM. HRS.
ACC 300 Administrative Accounting	3
ECO 301, 302 Statistics I, II	6
ECO 330 Money and Public Policy	3
FIN 389 Business Finance	3
GBA 375 Managerial Communications	3
MGT 360 Fundamentals of Mgt.	3
MKT 300 Principles of Marketing	3
Math or Science Elective	3
REI 325 General Insurance or RFI 330 Real Estate Principles	3
Directed Elective*	3
	33

SENIOR YEAR	SEM. HRS.
ECO 335 Economics of the Firm and one 300 or above course	6
FIN 350 Bank Administration or FIN 352 Principles of Investments or FIN 480 Financial Management	3
GBA 415 Government and Business	3
MGT 364 Personnel Management or MGT 454 Human Relations and one 300 or above course	6
MKT 428 Marketing Management	3
REI 325 General Insurance or REI 330 Principles of Real Estate	3
Electives	7
	31
Total:	128

*Behavioral science, computer science, social science, or mathematics

REQUIREMENTS FOR A MAJOR IN REAL ESTATE AND INSURANCE

JUNIOR YEAR	SEM. HRS.
ACC 300 Administrative Accounting	3
ECO 301, 302 Statistics I, II	6
FIN 389 Business Finance	3
GBA 375 Managerial Communications	3
MGT 360 Fundamentals of Mgt.	3
MKT 300 Principles of Marketing	3
REI 325 General Insurance	3
REI 330 Principles of Real Estate	3
REI 326 Intr. to Actuarial Sci. or MAT 312 Applied Math for Business	3
Directed Elective*	3
	33

SENIOR YEAR	SEM. HRS.
ECO 330 Money and Public Policy	3
Courses selected from the following	18
REAL ESTATE GROUP: (Min. of two)	
REI 310 Land Resource Principles	
REI 334 Residential Val	
REI 340 Real Estate Law	
REI 345 Property Management	
REI 432 Real Estate Finance	
REI 434 Income Property Valuation	
REI 460 Real Estate Development	
INSURANCE GROUP: (Min. of two)	
REI 326 Intr. to Actuarial Sci.***	
REI 425 Life Insurance	
REI 445 Property and Liability Ins.	
REI 450 Health Insurance	
MGT 485 Administrative Policy	6
Elective	4
	31
TOTAL:	128

***May not be used in major if chosen in place of MAT 312.

DEPARTMENT OF MANAGEMENT

Roy N. Moore, Chairman

Boothe, Bracey, Brooking, J.L. Davis, Etzold, Gottleber, V. Hill, Stegenga

The program of study in management has three objectives: (1) to provide students with concepts, knowledge, and skills required in the effective management of profit-making enterprises, government institutions, and non-profit service organizations; (2) to prepare the student for employment which will lead to positions of managerial responsibility; and (3) to make available to students pursuing technical, educational, and professional careers

training in general management to apply in their specialized fields.

Students interested in management may major in either industrial or personnel management. The industrial management option places emphasis on manufacturing and production problems such as product engineering, manufacturing methods and equipment, plant layout, production planning, and quality control. The personnel management option emphasizes the human problems of administration including union-management relations, manpower development, compensation, and managerial communications.

Careers in management are available in industry, government, service organizations, and teaching. Beginning employment opportunities for which the management graduates are trained include such jobs as line supervisor, production scheduler and dispatcher, time study, employment interviewer, training supervisor, and management trainees. Their broad education and training will, when coupled with additional maturity and experience, serve to further their careers in more responsible management positions such as production or plant manager, labor relations director, or personnel administrator.

The recommended minor in Management for a non-business major is ECO 255, MGT 360, and four courses in the Management Department.

REQUIREMENTS FOR A MAJOR IN PERSONNEL MANAGEMENT

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Economics 301, 302, 330	9
Finance 389	3
General Business Administration 375	3
Management 360, 364	6
Marketing 300	3
Electives—advanced mathematics, behavioral science, speech communications, or English	6
	33

SENIOR YEAR	SEM. HRS.
Management 386, 454, 465, 468, 472, 484	18
Management 485	3
General Electives	10
	31
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL MANAGEMENT

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Economics 301, 302, 330	9
Finance 389	3
General Business Administration 375	3
Management 360, 386, 464	9
Marketing 300	3
Mathematics 312	3
	33

SENIOR YEAR	SEM. HRS.
Industrial and Vocational Education 323	3
Management 465, 454, or 468, 467, 472, 476, 482	18
Management 485	3
General Electives	7
	31
TOTAL:	128

DEPARTMENT OF MARKETING

Thomas T. Ivy, Chairman

Loyd, Pritchett, Schoell, T. Smith, W. Smith, Vreeland

Marketing is a major concern of all businesses and a growing number of non-profit organizations. The goals of the marketing program are to: (1) prepare students for entry-level positions in marketing; (2) provide the background necessary to advance to higher

level marketing management positions, and (3) develop executive skills that are critical for success in all business occupations. It is necessary, therefore, that the student not only learn marketing concepts but that he/she develops the ability to: (1) think creatively; (2) solve problems; (3) communicate orally and in writing; and (4) understand and work with people.

Marketing courses are taught in such a way that the student obtains a thorough knowledge of marketing principles and techniques and develops the executive skills needed to apply them in the business world.

Upon graduation, marketing majors obtain employment as sales representatives, advertising technical or managerial personnel, and retail store owners, managers, or buyers. With experience or graduate training, graduates move into marketing research, product management, or marketing management positions. Career opportunities are numerous since more than half of all American workers are employed in the marketing of products and services.

For a student not majoring in tbe College of Business Administration, a minor in Marketing may be earned by completing eighteen (18) hours of courses in the following recommended sequence:

	Hours
MKT 300	3
MKT 330, 342, 355	9
MKT 430, 442, 455 (select one)	3
One other marketing elective	3
Total	18

Students in the department may major in Marketing Management, Advertising, or Sales Management by completing one of the following programs:

REQUIREMENTS FOR A MAJOR IN MARKETING MANAGEMENT

The Marketing Management major is a flexible program which allows students to select a general marketing curriculum or to concentrate in retail management.

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Economics 301, 302, 330	9
Management 360	3
Marketing 300, 322	6
Select Two Marketing 342, 330, 355	6
*Directed Electives (Select two from behavioral science, social science, mathematics (Math 312 is recommended), or computer science)	6
	33

SENIOR YEAR	SEM. HRS.
Finance 389	3
Management 485	3
Marketing 424, 428	6
Select Two Marketing 365, 380, 455, 495	6
Select One Marketing 430, 458, 442	3
*Electives	10
	31
TOTAL:	128

*Students planning a career in retailing should take CSS 342.

*Courses selected must be approved by chairman.

REQUIREMENTS FOR A MAJOR IN SALES MANAGEMENT

The Sales Management major is designed to prepare students for professional sales and sales management positions with major manufacturers, wholesalers, and multinational corporations. The course sequence specifies courses which are geared to the skills and knowledge necessary to enter these fields.

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Economics 301, 302, 330	9
Management 360	3
Marketing 300, 322, 330, 355	12
Directed Electives (Select two from behavioral science, social science mathematics, computer science, or other courses approved by chairman)	6
	33

SENIOR YEAR	SEM. HRS.
Finance 389	3
Management 485	3
Marketing 342, 424, 428, 430	12
Select One: Marketing 365, 380, 495	3
*Electives	10
	31
TOTAL:	128

*Courses selected must be approved by chairman.

REQUIREMENTS FOR A MAJOR IN ADVERTISING

This is an interdisciplinary major offered by the Department of Marketing in conjunction with the Department of Radio, Television, and Film and the Department of Journalism, College of Liberal Arts.

Students majoring in Advertising take a more specialized program than the marketing major to prepare them for the exacting requirements for an advertising career. Advertising graduates are employed as account executives, copy writers, promotional managers, and advertising managers for firms in retailing and manufacturing.

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Economics 301, 302, 330	9
Management 360	3
Marketing 300, 322, 355	9
Radio-Television-Film 330	3
*Directed Electives (Select two from behavioral science, social science, mathematics, or computer science)	6
	33

SENIOR YEAR	SEM. HRS.
Finance 389	3
Journalism 331	3
Management 485	3
Marketing 365, 424, 455, 458	12
Select One: Radio-Television-Film 311, 340, 431	3
*Electives	7
	31
TOTAL:	128

*Courses selected must be approved by chairman.

COLLEGE OF EDUCATION AND PSYCHOLOGY
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
BUSINESS EDUCATION			
	BILINGUAL SECRETARIAL STUDIES		BS
	BUSINESS EDUCATION		BS
	OFFICE MANAGEMENT		BS
		Distributive Education	
		Executive Secretarial Studies	
	SECRETARIAL TRAINING		A
COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION			
	SOCIAL AND REHABILITATION SERVICES*		BS
CURRICULUM AND INSTRUCTION			
	ELEMENTARY EDUCATION		BS
		Early Childhood Education	
		Middle Grades Education	
		Nursery/Early Childhood Education	
	SECONDARY EDUCATION*		BS
INDUSTRIAL AND VOCATIONAL EDUCATION			
	INDUSTRIAL ARTS*		BS
	INDUSTRIAL MECHANICS*		BS
	INDUSTRIAL AND VOCATIONAL EDUCATION		BS
		Secondary Trades and Industry	
		Post-Secondary Trades and Industry	
		Technical Education	
	(ARTS AND CRAFTS)***		
PSYCHOLOGY			
	PSYCHOLOGY		BA, BS
		General Psychology	
		Pre-Professional Psychology	
		Teaching Psychology	
SPECIAL EDUCATION			
	SPECIAL EDUCATION		BS
		Blind/Visually Impaired	
		Crippled and Health Impaired	
		Mental Retardation	
		Special Learning Disabilities	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science, (A) Two-Year Certificate
***Minor Only Available

COLLEGE OF EDUCATION AND PSYCHOLOGY

Bobby D. Anderson, Dean

Gary S. Rush, Assistant Dean

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education. All undergraduate programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). For details of graduate teacher education programs, consult the **Graduate Bulletin**. For degrees offered by each department, please see page 70.

PURPOSES

The purposes of the College of Education and Psychology are: (1) to prepare teachers for the public schools and the colleges and universities; (2) to offer non-teaching degree programs on the undergraduate level in business education, industrial mechanics, psychology, and social and rehabilitation services (for graduate level non-teaching degree programs consult the **Graduate Bulletin**); (3) to provide clinical and professional services to the public schools of Mississippi and to the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the College; (2) clinics and offices for professional services; (3) cooperation with the public schools; and (4) cooperation with other colleges and schools of the University in the development of teacher education programs that meet requirements for Mississippi certification and NCATE approval.

ADMISSION REQUIREMENTS

Any student who satisfies admission requirements to the University of Southern Mississippi through the Office of Admissions is eligible for admission to the College of Education and Psychology.

An Application for Admission (Form A7) must be approved by the Dean of the College of Education and Psychology and be filed in this office.

The above criteria for admission applies to beginning freshman students, transfer students from within the University of Southern Mississippi, and transfer students from another college or university.

Admission to the College of Education and Psychology does not constitute admission to a teacher education program nor to a non-teaching major program. Program planning and proper advisement must be completed to gain admission to both Teacher Education Programs and Non-Teaching Programs.

Regular status in the College of Education and Psychology is maintained by meeting the quality point requirements for hours completed as designated by the general University requirement and evaluated by the Registrar's Office.

General Core, College of Education and Psychology

All students (teaching and non-teaching) are required to satisfy the requirements of the General Core, College of Education and Psychology. Exceptions must be approved by the department chairman and the Dean of the College.

General Core

	Hours
English 101, 102, and two other English courses 200 level or above except ENG 300 and ENG 333	12
History 101, and 102, or 140 and 141	6
Social Sciences	6

Elect two courses from the following for 6 hours (no more than 3 hours from any area):

Anthropology	Political Science
Economics	Sociology
Geography	Religion (non-teaching majors only)
Philosophy	

	Hours
Science	12
Biological Science—6 hours Physical Science—6 hours (All non-science majors may take the Fundamentals of Science series.)	
Mathematics	3
Psychology 110	3
Fine Art	3
Speech Communication 111	3
Health and Safety Education 101	3
Physical Education/ROTC/AFROTC	3

Students are required to take physical activity courses during the freshman year. Freshman students may elect ROTC/AFROTC I in lieu of the physical education requirement. Students participating in varsity athletics, Marching Band, Dixie Darlings, Cheer Leaders, or Pom Pon girls may substitute this for required physical education. Persons with military experience and holders of AA degrees are exempt from physical education activity courses.

TEACHER EDUCATION PROGRAMS AND REQUIREMENTS

One of the primary functions of the College of Education and Psychology is that of coordinating the teacher education programs for the University. The following objectives were formulated to carry out adequately this function:

1. Attract those students who desire to make teaching a career.
2. Acquaint prospective teachers with all phases of the profession through the tutelage of a competent College staff.
3. Provide programs of basic studies and pre-teaching activities which will insure a minimally acceptable level of teaching knowledge and skill in an area of specialization within each student.
4. Make available to students the educational resources and support services needed to complement their instructional program.
5. Maintain a continuous counseling service which will help to guide students in the proper selection of courses for their personal and professional development.
6. Sustain an orderly system of selecting and retaining those individuals who perform at or above those standards required by the Teacher Education Council.
7. Encourage both instructors and students in the various classes to visit and observe local schools in day-to-day operations.
8. Study, screen, and assign students to school classrooms where qualified teachers can provide certain pre-teaching experiences.
9. Aid students in obtaining state certification in their area or areas of specialization.
10. Help students make appropriate career decisions.
11. Provide prospective employers with proper information regarding the student's performance at the University.
12. Utilize a system of follow-up on each student's performance as a classroom teacher.
13. Make staff members available to local school inservice programs which are designed especially for staff and/or curriculum improvement.

Criteria for Admission to Teacher Education Programs

All applicants for admission to a program leading to teacher certification must be approved by the **Screening Committee.**

Freshman and sophomores who have indicated a desire to pursue a Teacher Education Program will be notified at the proper time for filing the Program Plan-Teaching Form.

Application for admission to a teacher education program is accomplished by:

1. Obtaining the Program Plan-Teaching Form (Ed 8a) from the College of Education and Psychology Dean's Office.
2. Filling out this form properly with the major adviser and the help of an education adviser.
3. Having this form checked and turned into the designated adviser in the Department of Curriculum and Instruction.
4. Having the Curriculum and Instruction adviser forward the Program Plan-Teaching Form to the Dean's Office, College of Education and Psychology.

Upon receiving the required forms, the Dean's Office will initiate a file on the student.

Once this sequence is accomplished successfully, a T.E. should be evidenced each semester on the Registration Appointment Form. This symbol indicates to all advisers involved that an approved program plan for teaching certification has been checked and filed in the College of Education and Psychology Dean's Office.

Criteria which must be met for tentative approval include the following:

1. An overall 2.2 grade point average.
2. At least a C average in first year English. (If this is not met, ENG 332 must be taken to remove the deficiency. If ENG 332 is taken to remove the deficiency, the course may not then be used toward the twelve (12) semester hours of required English.)
3. Acceptable physical health status.
4. Emotional stability.
5. Satisfactory personal characteristics.

Criteria for Completion of Teacher Education Programs

All teacher candidates must complete all graduation requirements set forth in the general University regulations as well as: (1) complete all program requirements as set forth in the official Program Plan (Ed 8a); (2) earn a grade of C or higher in all professional education courses included in the respective teaching program.

Teaching Certification

Students preparing to teach must choose a teaching area from one of the following:
Elementary Education (N-3, K-3, K-8, 4-8, 4-12);
Secondary Education (7-12), or Special Areas (K-12).

To prepare for a career in secondary education the student will major in an academic area and fulfill the general and professional requirements listed under the Secondary Education Section (see Department of Curriculum and Instruction).

Additionally, the **National Teacher's Examination** must be taken by all who seek a teaching certificate.

Requirements for Teaching Degrees

Students preparing to teach usually pursue the Bachelor of Science degree through the College of Education and Psychology. However, students preparing as teachers at the secondary school level may choose to pursue the Bachelor of Arts degree through the College of Education and Psychology provided the degree is offered for the major in the college or school offering the major. It is permissible for a student to graduate from any college or school that offers a teaching major if the student prefers. However, all students who desire to become teachers must apply for admission to the Teacher Education Program in the College of Education and Psychology and be screened according to the preceding outlines procedures for admission to the program.

Requirements for Non-Teaching Degrees

The College of Education and Psychology offers major programs in psychology, office management, executive secretarial studies, bilingual secretarial studies, social and rehabilitation services, and industrial vocational areas leading to the Bachelor of Science

non-teaching degree. Students in psychology may take programs leading to the Bachelor of Arts degree.

Bachelor of Arts (Non-Teaching)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete six (6) to nine (9) hours in a foreign language. Those students who have completed two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six (6) semester hours in the same language at the 200 level or above.

Major Requirements and Electives

Students should consult with their major departments concerning the major and/or minor requirements and electives which constitute the balance of the degree requirements.

SPECIAL SCHOOL SERVICES

Office of Student Teaching

Willie E. Cooley, Director

The basic purpose of the student teacher program is to provide all students in teacher education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. Supervision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting his/her application for student teaching.

Requirements for Student Teaching

APPLICATION:

Formal application must be submitted to the Office of Student Teaching at the beginning of the semester prior to the student teaching semester. Assignments are made by October 1 and March 1. Summer months are not included as there is no regular student teaching during the summer.

All student teachers:

1. Must have completed a minimum of eighty-eight (88) semester hours of college work.
2. Must have completed a minimum of sixteen (16) semester hours in their major field, six (6) of which must have been taken in residence in this institution.
3. Must have at least a 2.2 overall average at the time they submit their application.
4. Must have been admitted to a teacher education program for at least six (6) months.
5. Must expect to spend the required time in an off-campus school designated by the Director of Student Teaching.

Students in art, music, physical education, and special education may elect to student teach for an entire semester. The student would student teach at more than one academic level and receive twelve (12) semester hours credit.

STUDENT TEACHING SEMESTER: Candidates for student teaching must submit documented evidence of a 2.2 overall average at time of registration.

Candidates for student teaching in the elementary school must have completed the following courses—REF 300, CIE 301, 305, 306, 309, 343 or 425; EPY 370, 374; and SCE 432.

Candidates for student teaching in the secondary school must have completed CIS 313, REF 300, EPY 372 and 374, and appropriate special methods courses listed as CIS 451—465.

Regulations for Admission to Student Teaching Seminar
CIE 489 and CIS 495

Student teaching for inservice teachers will be offered each summer for six (6) semester hours. To be eligible for this course:

1. The applicant shall submit evidence of two years teaching experience and recommendation from a principal or superintendent under whom the applicant has worked.
2. The applicant shall present evidence of a contract for the coming school year.
3. The applicant shall have previously earned twelve (12) semester hours from this institution and shall not be on probation.
4. The applicant must be in an undergraduate degree program at this institution.
5. The applicant must be teaching in Mississippi.
6. The applicant must meet all the requirements for student teaching.
7. Permission to enroll in these classes shall be granted by the Director of Student Teaching following an interview with the applicant.
8. Application for inservice student teaching must be made in the Student Teaching Office by March 30.

Educational Media Center

Lee Jones, Director

Garcia

In order to be of service to the schools of Mississippi and to provide higher standards of teacher education, the University has established the Educational Media and Technology program. The program provides courses in instructional media selection, utilization, and preparation for teacher education. Master's and specialist's degree programs leading to Mississippi AA and AAA certification are offered.

The academic program encompasses graduate and undergraduate offerings. Basic courses are designed to provide an overview for prospective teachers and Library Media specialists, while advanced courses are designed to provide supplementary training for teachers, administrators and other school personnel.

The program includes the operation of a curriculum materials center for the College of Education and Psychology, and laboratories for teaching the use of audiovisual equipment and for the production of instructional audiovisual materials.

The program's staff specializes in utilization, production and management of Educational Media in all forms; and in the design and development of systems for individualized instruction. The staff is available to assist local school districts in these areas with faculty inservice workshops, extension courses, and consulting services.

For further information you may contact:

Director, Educational Media and Technology
Southern Station, Box 5054
Hattiesburg, Mississippi 39401
Phone (601) 266-7304

Psychology Clinic

Barry Ritzler, Director

The University of Southern Mississippi, through the Psychology Clinic, affords graduate students in psychology opportunities for clinical experience in a psychology practicum setting. Training and experience in diagnostic testing, psychological appraisal, psychotherapy, behavior modification techniques, and bio feedback are the primary foci of the Clinic's function. Work with both children and adults provides doctoral level graduate students specializing in the clinical areas with a variety of experiences with different forms of maladaptive behavior and learning problems.

Another major function of the Clinic is to provide psychological services to University students, as well as faculty, staff, and their families. Additionally, service to the community and to the state in the form of diagnosis and treatment of emotional and learning problems is an important function of the Clinic.

Members of the Clinic's staff and the Psychology Department offer consultation to other clinics on the campus and work with them on various related problems.

University students, faculty and staff personnel, public school teachers, physicians, and other interested persons may obtain psychological services by applying to the Clinic.

In ALL cases, student clinicians are closely supervised by Ph.D. clinical psychologists.

The Reading Center

Paul B. Borthwick, Coordinator

The primary responsibility of the Reading Center is in promoting effective teacher education for elementary and secondary students in methods, techniques, and materials in reading and language arts. Focus of the programs is at the undergraduate, master's and advanced graduate levels emphasizing theory, practice, evaluation, and research. The Reading Center is able to offer limited services in the diagnosis of reading problems and remedial reading to children referred to the Center. The cost of the diagnostic evaluation which includes a suggested program of remedial procedures is $35.00, or a proportionate part, based on ability to pay. Remedial instruction, provided by a graduate or undergraduate student on a limited basis, is $40.00 per semester.

An up-to-date collection of materials used for elementary, secondary, or adult reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through enrolling in the Center's "Improvement of Study" course.

An annual reading conference is held each year in the spring or summer. Nationally known reading authorities are featured on the program.

Bureau of Educational Research

Richard Kazelskis, Director

The Bureau of Educational Research is an administrative entity of the Office of the Dean, College of Education and Psychology, at the University of Southern Mississippi. The primary purpose of the Bureau is to provide research and dissemination services to University students, faculty, and the public schools within the State of Mississippi. Major functions include technical assistance in research design and data analysis, coordination of faculty research, reporting of research and professional activities of faculty and students, and independent evaluation of special projects and programs within the College of Education and Psychology.

The Bureau has developed a system of computer programs available for the treatment and analysis of data and provides training and assistance in the utilization of electronic calculators for more limited data treatment requirements. In addition, special services relative to measurement instruments and other specialized research tools are provided.

Additional information may be obtained by contacting the Director of the Bureau of Educational Research.

Center For Community Education

William Hetrick, Director

The Center for Community Education, located in the Department of Educational Administration and Supervision, is part of a national network of over eighty cooperating centers, each responsible for promoting Community Education in a specific geographic area. Founded in 1974, the Center at the University of Southern Mississippi serves the State of Mississippi through:

....disseminating information on the Community Education concept through brochures and informational hand-outs, films, slides, and formal presentations.

....providing advice and technical assistance to community colleges, school districts, communities and individual schools wishing to start Community Education.

....providing for the training needs. Included herein is the training of professional personnel who administer Community School programs plus in-service training for staff members and community members.

For further information, contact:
Dr. William Hetrick, Director
Center for Community Education
Southern Station, Box 5027
Hattiesburg, Mississippi 39401
Phone 601-266-7170 or 7171

Counseling Laboratory

Ben Hutton, Director

The Counseling Laboratory, in the Department of Counseling Psychology and Counselor Education, is designed to assist individuals whose problems fall within the realms of educational planning, vocational or career decision-making, personal-social adjustment, and marriage and family counseling. It serves two purposes: (1) to offer professional service to persons seeking such services and (2) to provide qualified graduate students the opportunity to observe and apply theoretical concepts.

The Laboratory is available to anyone of any age, students or general public, whose problems fall within the scope of the services outlined above. These services are not restricted to any particular area nor to any particular group.

The staff of the Counseling Laboratory is composed of members of the teaching faculty of the Department of Counseling Psychology and Counselor Education and graduate students under their supervision.

Write, telephone, or contact in person:
Dr. Ben Hutton, Director
Counseling Laboratory
Southern Station, Box 9327
Hattiesburg, MS 39401
Phone: 266-7151 or 7163

Children's Laboratory of Learning

Patricia Jobe, Director

The Children's Laboratory of Learning is a part of the Department of Curriculum and Instruction. It provides a three-fold purpose: (1) a half-day kindergarten program for 5-year-old children; (2) a site for graduate and undergraduate teacher training in methods and materials used in Early Childhood Education; and (3) a site for approved research projects conducted by graduate students and faculty and for adjunct services offered in the Speech and Hearing Clinic, the Department of Special Education, the Department of Physical Education, and other colleges and schools within the University.

Staff members are available for consultation services, inservice workshops, and off-campus courses.

Applied Gerontology Educational Services

W. Lee Pierce, Coordinator

The University of Southern Mississippi's Office of Applied Gerontology Education Services exists to coordinate the following University functions in the field of gerontology:

1. Graduate education for professionals.
2. Staff development programs for professionals and paraprofessionals.
3. Consultation and community services.
4. Research.
5. Sensitization of the general public to the status and future of the elderly in the community.

For further information, contact:
Dr. W. Lee Pierce, Coordinator
Applied Gerontology Education Services
Southern Station, Box 8328
Hattiesburg, Mississippi 39401
Phone (601) 266-4147

DEPARTMENT OF ADULT EDUCATION

W. Lee Pierce, Acting Chairman

L. Baker, Hoffman, Olsen, Saucier, Weare

The Department of Adult Education offers graduate programs for persons who work with adult learners in a wide variety of settings. Programs are provided which lead to the master's, specialist's, and doctoral degrees. For descriptions of these programs, please consult the **Graduate Bulletin.**

Some courses are offered at the undergraduate level to support degree programs in other departments and as staff training for agencies that employ persons at the baccalaureate level or below to work with adult students.

DEPARTMENT OF BUSINESS EDUCATION

L. Annelle Bonner, Chairman

M. Borthwick, Conerly, C. Lewis, Mays, G. Taylor

The Department of Business Education offers curricula in business teacher education, office management, distributive-teacher education, two four-year programs in executive secretarial studies, one of which has bilingual emphasis, and a two-year program leading to a specialized certificate in secretarial training.*

The student who plans to teach business subjects or distributive education on the high school level will follow the curriculum prescriptions which lead to the Bachelor of Science teaching degree. He will enroll in the College of Education and Psychology. He must meet the admission requirements for the College. His major field of concentration will be in business subject matter or distributive education prescribed by the Department of Business Education. The professional education and psychology requirements constitute the minor.

A student interested in becoming a legal or a medical secretary can get increased emphasis in the professional field chosen through consultation with an adviser who will make necessary minor changes in the Executive Secretarial Studies program.

*Other specialized emphases are legal secretaryship and medical secretarship.

REQUIREMENTS FOR A MAJOR IN BUSINESS TEACHER EDUCATION

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fundamentals of Science 104, 105	6
Geography 103, Philosophy 151, Political Science 101, Sociology 101, 310, or 311 (select one)	3
Health and Safety Education 101	3
History 101, 102, or 140, 141	6
Mathematics 101 or 120	3
Physical Education	2
Psychology 110	3
	32

SOPHOMORE YEAR	SEM. HRS.
Accounting 201, 202	6
Allied Arts 100	3
Business Education 102, 202	6
Economics 255, 256	6
English (Inter. and Junior Writing	6
Fundamentals of Science 106, 107	6
Speech Communication 111	3
	36

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Business Education 300, 302, 305, 310, 352, 450, 472	20
Educational Psychology 372, 374	6
General Business Administration 295	3
Secondary Education 310	3
Special Education 400	3
	38

SENIOR YEAR	SEM. HRS.
Business Education 354, 452, 453, 460, 485	14
Educational Foundations 400	3
Research and Foundation 469	3
Secondary Ed. 313, 422, 451, 481	18
	38
TOTAL:	144

REQUIREMENTS FOR A MAJOR IN OFFICE MANAGEMENT

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
English 101, 102	6
Fundamentals of Science	6
Health and Safety Education 101	3
History 101, 102, or 140, 141	6
Physical Education	2
Psychology 110	3
Sociology 101, 210; Geography 103; Political Science 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Accounting 201, 202	6
Business Education 102	3
Economics 255, 256	6
English	6
Fundamentals of Science	3
Mathematics 101 or 120, 112	6
Psychology 251	3
Speech Communication 111	3
	36

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Business Education 300, 310, 352	8
Economics 330	3
Elective	3
Finance 301	3
General Business Admin. 295, 311	6
Management 360	3
Marketing 300	3
	32

SENIOR YEAR	SEM. HRS.
Business Education 354, 450, 460, 480, 485	14
Elective	2
Management 364, 454, 468, 484	12
	28
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN BILINGUAL EXECUTIVE SECRETARIAL STUDIES (SECOND MAJOR IN FOREIGN LANGUAGE)

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
Business Education 101, 102	6
English 101, 102	6
Foreign Language	3
Health and Safety Education 101	3
Mathematics 101 or 112, 120	6
Physical Education	2
Speech Communication 111 or 210	3
	32

SOPHOMORE YEAR	SEM. HRS.
Business Education 201, 202	6
Economics 255, 256	6
English	6
Foreign Language	9
Fundamentals of Science	6
History 101, 102, or 380, 381	6
	39

JUNIOR YEAR	SEM. HRS.
Accounting 201, 202	6
Anthropology 315	3
Business Education 305, 310, 450	9
Finance 301 or 389	3
Foreign Language	9
Fundamentals of Science	3
General Business Administration 295	3
Geography 403 or 404	3
	39

SENIOR YEAR	SEM. HRS.
Business Education 300, 352, 354, 460, 472, 480, 485	19
Economics 330	3
Foreign Language	9
Political Science 434, 458	6
	37
TOTAL:	147

REQUIREMENTS FOR A MAJOR IN SECRETARIAL TRAINING

FRESHMAN YEAR	SEM. HRS.
Accounting 201, 202	6
Business Education 102, 202, 305	9
English 101, 102	6
Mathematics 101 or 120	3
Political Science 101, History 101 or 102, Sociology 101, Geography 103, or Psychology 110 (select one)	3
Physical Education	2
Speech Communication 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
Business Education 300, 310, 352, 354, 360, 450, 460, 472, 485	25
Economics 255	3
English	3
General Business Administration 295	3
	34
TOTAL:	66

REQUIREMENTS FOR A MAJOR IN BUSINESS EDUCATION WITH AN EMPHASIS IN DISTRIBUTIVE EDUCATION

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
Business Education 101 or 102	3
English 101, 102	6
Fundamentals of Science 104, 105	6
Geography 103, Philosophy 151, Political Science 101, Sociology 101 or 311 (select one)	3
Health and Safety Education 101	3
History 101, 102, or 140, 141	6
Physical Education	2
	32

SOPHOMORE YEAR	SEM. HRS.
Accounting 201, 202	6
Economics 255, 256	6
English (Inter. and Junior Writing)	6
Fundamentals of Science 106, 107	6
Management 360	3
Marketing 300	3
Mathematics 101 or 120	3
Psychology 110	3
Speech Communication 111	3
	39

JUNIOR YEAR	SEM. HRS.
Business Education 300, 302, 352, 451, 452, 454	17
Educational Foundations 400	3
Educational Psychology 372, 374	6
Marketing 330, 355	6
Secondary Education 310	3
Special Education 400	3
	38

SENIOR YEAR	SEM. HRS.
Business Ed. 340, 453, 455, 460	11
Marketing 342	3
Research and Foundations 469	3
Secondary Education 313, 422, 451, 481	18
	35
TOTAL:	144

Requirements for an Emphasis in Executive Secretarial Studies

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
English 101, 102	6
Fundamentals of Science 104, 105	6
History 101, 102, or 140, 141	6
Mathematics 120, 112, or 101	6
Political Science 101 or Sociology 101 or Geography 103	3
Physical Education	2
	32

SOPHOMORE YEAR	SEM. HRS.
Accounting 201, 202	6
Business Education 102, 202	6
Economics 255	3
English	6
Fundamentals of Science 106	3
Health and Safety Education 101	3
Psychology 110	3
Speech Communication 111	3
	33

JUNIOR YEAR	SEM. HRS.
Accounting 300	3
Business Education 300, 302, 305, 310, 352, 354	16
Economics 256	3
Finance 301 or 389	3
General Business Administration 295, 311	6
Marketing 300	3
	34

SENIOR YEAR	SEM. HRS.
Business Education 360, 450, 460, 472, 480, 485	18
Economics 330	3
Electives	8
	29
TOTAL:	128

DEPARTMENT OF COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION

John D. Alcorn, Chairman

Burch, Culberson, Daniels, Durkee, Gutsch, Hollandsworth

Hutton, Probst, Randolph, Shafer, J. Stevens, Sturgis

The Department of Counseling Psychology and Counselor Education offers both graduate and undergraduate programs. At the graduate level, seperate curricula are offered to prepare students for positions in elementary and secondary school, college, and community agency settings. See the **Graduate Bulletin** for course patterns of each curriculum. The department offers work leading to the Master of Education in School Counseling; the Master of Science in College Counseling and in Counseling Psychology; and the specialist's degree in Counseling and Guidance. A doctoral program is offered in Counseling Psychology. The course pattern included in the Master of Education program in School Counseling will meet Mississippi State Department of Education requirements for AA certification as a school counselor.

The undergraduate curriculum provides an inter-departmental major in Social and Rehabilitation Services. Alternate emphases are offered within the major. The Counseling Associate emphasis is designed primarily as entry-level preparation for students planning to enter positions in agencies or institutions providing rehabilitative, social, or mental health services. Pre-professional emphases are offered which prepare students for entering professional graduate training programs in counseling psychology, rehabilitation, or social work. Other undergraduate courses are offered as introductions to aspects of counseling and personnel work and may be used as electives subject to the approval of program advisers in the respective departments.

The program in Social and Rehabilitation Services includes 33 semester hours in social and rehabilitation services courses, 9 semester hours in sociology courses (excluding introduction), and 9 semester hours in psychology courses (excluding introduction). In addition to the 53 hours in Core Requirements for the College of Education and Psychology other courses include 9 semester hours in special areas and 17 hours in electives. A minor is not required; however, the student may choose a minor in a related area, in which case,courses under the interdepartmental major may be used in the minor area. It is necessary to include at least 18 semester hours in such a minor.

REQUIREMENTS FOR A MAJOR IN SOCIAL AND REHABILITATION SERVICES

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fundamentals of Science 104, 105	6
History 101 & 102 or 140 & 141	6
Mathematics 101 or 120	3
Social Science Elective	3

SOPHOMORE YEAR	SEM. HRS.
English 203,204	6
Fundamentals of Science 106, 107	6
Psychology 110	3
Health 101	3
Sociology 101	3

Allied Arts 100 or Art Education 207	3
Public Address 111	3
Physical Education	2
	32

JUNIOR YEAR	SEM. HRS.
Social & Rehabilitation Services: CPY 310, 360, 311, 312, 361, 413	18
Psychology 251 or 310, 375	6
**Sociology	6
Electives	3
	33

*Special Area Courses	6
Electives	6
	33

SENIOR YEAR	SEM. HRS
Social & Rehabilitation Services: CPY 423 or 430, 431, 433 or 435 462 & 463	15
Psychology 436	3
**Sociology	3
*Special Area Course	3
Electives	8
	32
TOTAL:	128

*Special area courses may be chosen from business education, management, marketing,finance, special education, criminal justice, child development, or adult education.
**Sociology courses are chosen to correspond to student's individual vocational objectives.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Milton B. Baxter, Chairman

Bobby D. Moore, Coordinator, Elementary Education

Johnny R. Purvis, Coordinator, Seconday Education

Allen, F. Anderson, Arnold, Blanchard, P. Borthwick, Carmichael, Cooley, J.C. Davis, P. Dennis, Fruge', Gibson, Hensley, Jobe, S. Johnson, Lee, McNinch, Manly, Mastzal, W. Miller, Mottley, Noble, H. Peddicord, L. Posey, Rains, Rees, Richmond, Thompson, J.L. Young

JOINT ASSIGNMENT WITH OTHER DEPARTMENTS: Pawlowski, English; I. Brown, Science Education; Wiggins, Journalism; Shands, Speech Communication; Dunigan, R.W. King, and Mullins, Mathematics; Hunter, Industrial and Vocational Education; Buschner, Health, Physical Education, and Recreation; Neumann, Foreign Languages; Bowman, Art; Bonner, Business Education.

Serving as the coordinating agency within the University for the training and preparation of elementary and secondary teachers, the Department of Curriculum and Instruction provides undergraduate work for both preservice and inservice teachers. A description of the undergraduate programs in elementary and secondary education follows. Please consult the Graduate **Bulletin** for a description of the programs leading to master's, specialist's, and doctor's degrees.

ELEMENTARY EDUCATION

Students pursuing a major in elementary education must fulfill the requirements for one of the following three emphasis areas: (1) Nursery-Early Childhood Education (nursery school through grade three), (2) Early Childhood Education (kindergarten through three), (3) Comprehensive Elementary Education (kindergarten through grade eight).

Admission to Elementary Education Programs

Students desiring to major in Elementary Education must meet the following criteria before being admitted to any program in elementary education:

1. Overall 2.2 GPA
2. C average in Freshman English

3. Complete thirty (30) hours of recent observation in an elementary classroom (See Coordinator, Elementary Education Programs, EPB 108-F)
4. Show competence in Mathematics Placement Test (See Coordinator, Elementary Education Programs, EPB 108-F)

A modified program is available for elementary education majors who wish to obtain basic certification in the middle grades (4-8) as well as additional certification in one or more teaching areas at the secondary school level (7-12). Interested students should contact the Coordinator of Elementary Education for further information.

REQUIREMENTS FOR A MAJOR IN ELEMENTARY EDUCATION

FRESHMAN YEAR	SEM. HRS.
Art Education 207	3
English 101, 102	6
Fundamentals of Science 131, 132	6
Health and Safety Education 101	3
History 101 or 140	3
Mathematics 210	3
Physical Education (activity)	1
Psychology 110	3
Speech Communication 111	3
	31

SOPHOMORE YEAR	SEM. HRS.
Art Education 309	3
Educational Psychology 370, 374	6
English 301, Literature	6
Fundamentals of Science 133, 134	6
History 102 or 141	3
Mathematics 310	3
Physical Education (activity)	1
Social Science Electives	6
	34

K-3 Emphasis

JUNIOR YEAR	SEM. HRS.
Curriculum and Instruction-Elementary 300, 301, 305, 306, 309, 317	18
Music Education 361	3
Physical Education 320	3
Research and Foundations 400, 427	6
Science Education 432	3
	33

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction-Elementary 403, 407, 412, 422, 425, 480	24
Research and Foundations 416	3
Special Education 400	3
	30
TOTAL(k-3):	128

K-8 Emphasis

JUNIOR YEAR	SEM. HRS.
Curriculum and Instruction-Elementary 300, 301, 305, 306, 309, 317, 425	21
Music Education 361	3
Physical Education 320 or 321	3

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction-Elementary 403, 407, 412, 422, 343, and 480 or 482	24
Research and Foundations 400, 416	6
Special Education 400	3

Research and Foundations 469	3	
Science Education 432	3	
	33	33
	TOTAL (k-8):	131

*Students planning to graduate **prior** to Sept. 1, 1981, must follow program outlined in **1979-80 Bulletin** (or earlier). Any student graduating **after** Sept. 1, 1981, must follow the **1980-81 Bulletin** (or a subsequent one).
Students desiring to include additional certification in **nursery school must add CD 350, CD 351, and FN 363 or HSE 410 (9 hrs.) to their program.

SECONDARY TEACHER EDUCATION PROGRAMS

(Grades 7-12)

To qualify for an undergraduate degree with certification to teach at the secondary-school level, the student must complete: (1) the requirements of the General Core, College of Education and Psychology, (2) an academic major in a field of teacher certification, (3) the requirements of the secondary education minor or the secondary education major, and (4) any elective requirements necessary to complete the degree program.

General Core, College of Education and Psychology

All students seeking certification at the secondary-school level must complete the general education requirements listed under the General Core, College of Education and Psychology. A student receiving the degree from a college or school other than the College of Education and Psychology must also satisfy the core requirements of that college or school.

The specific courses listed below should be taken to satisfy the following general requirements of the General Core, College of Education and Psychology: Mathematics—Mathematics (MAT) 101 or MAT 120 (MAT 210 and MAT 310 may not be used to satisfy the mathematics requirement); Science—Fundamentals of Science (FS) 104, 105, 106, and 107 or equivalent laboratory sciences (FS 131, 132, 133, and 134 may not be used to satisfy the science requirement); Fine Arts—Allied Arts (AA) 100 or Music (MUS) 365.

Academic Major

Students seeking certification at the secondary-school level must complete the requirements for an academic major to include all courses (both in the major area and, in some instances, related fields) required in a teaching field. Students receiving the bachelor's degree after September 1, 1981, must meet the state's new certification requirements for secondary-school teachers. For specific course requirements for teacher certification in the various majors, students should refer to the section in this **Bulletin** under their respective academic departments.

Academic majors offered certification in the various teaching fields at the secondary-school level are:

American Studies*
Biology*
Business Education
Chemistry**
Economics*
English
French
Geography*
German
History*
Industrial and Vocational Education
Journalism
Latin
Mathematics
Physics**
Political Science*
Psychology
Science Education**
Social Studies*

Home Economics Education
Industrial Arts
Sociology*
(general sociology major only)
Spanish
Speech Communication

*The social studies major provides for a broad preparation in the social sciences and certifies the student to teach all of the social sciences at the secondary-school level. Specific certification in American studies, economics, geography, history, political science, or sociology is not available in Mississippi; however, these majors may receive certification in social studies to teach all of the social sciences if their degree program includes the following courses: History (HIS) 101, 102, 140, 141, and 341 (15 semester hours), economics (6 semester hours), political science (6 semester hours), geography (6 semester hours), and sociology (3 semester hours).

**Students who plan to teach at the secondary-school level should select the science education major which certifies the student to teach one or more sciences and general science. Students who desire to major and certify in one science area only (biology, chemistry, or physics) must have the approval of the Chairman of the Department of Science Education.

Secondary Education Minor

Students who plan to teach at the secondary-school level must complete the following courses (professional education requirements) which serve as the student's minor: Educational Psychology (EPY) 372, EPY 374, Research and Foundations (REF) 400, REF 469, Curriculum and Instruction: Secondary (CIS) 451-465 (a methods course in the student's certification area),*CIS 313 and *CIS 481-494.

*For information concerning the student teaching component, see the section entitled Office of Student Teaching under College of Education and Psychology and CIS Course Description Section of this **Bulletin** .

In addition to the professional education courses listed above, secondary teacher education students graduating after September 1, 1981, must complete the following additional courses: Curriculum and Instruction: Secondary (CIS) 310, (CIS) 422, Special Education (SPE) 400.

Students may not enroll in any of the secondary education minor courses shown above until they have completed and turned in a Program Plan-Teaching Form to the Coordinator of Secondary Education, Department of Curriculum and Instruction, College of Education and Psychology.

Secondary Education Major

In lieu of the secondary education minor, students who plan to teach at the secondary-school level may elect and are encouraged to complete the requirements for a secondary education major which consists of the twenty-seven (27) semester hours described under the secondary education minor plus the following courses: Curriculum and Instruction: Secondary (CIS) 310, and Research and Foundations (REF) 416.

In addition to the professional education courses listed above for the secondary education major, secondary teacher education students graduating after September 1, 1981, must complete the following additional courses: Curriculum and Instruction: Secondary (CIS) 422, Special Education (SPE) 400.

SPECIAL AREA TEACHER EDUCATION PROGRAMS

(Grades K-12)

The following special area teaching degree programs are offered by the College of Education and Psychology or in cooperation with other colleges and schools of the University:

Art Education
Education of the Deaf
Library Science
Health and Physical Education
Music Education
Special Education

Students seeking special area teacher certification must complete the required courses in the following components: (1) the General Core, College of Education and Psychology, (2) an academic major in the selected teaching area, (3) a professional education component, and (4) any elective requirements necessary to complete the degree program. For

specific course requirements for the various components, students should refer to the section in this **Bulletin** under their respective academic departments or consult the Coordinator of Secondary Education, Department of Curriculum and Instruction, College of Education and Psychology.

Teacher certification requirements for all special areas will change, effective September 1, 1981. Degree programs of special area students graduating after this date must reflect these changes.

DEPARTMENT OF EDUCATIONAL ADMINISTRATION AND SUPERVISION

James H. McPhail, Chairman

B. Anderson, E. Bedenbaugh, Gibson, Ginn, Hetrick, Holloway, Lucas, Rush, Southerland, D. Stewart, S. Weatherford, H.S. Williams

The Department of Educational Administration and Supervision offers programs for the preparation of administrators for the public schools and colleges and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist's degree, and the doctor's degree. For a description of these programs, consult the **Graduate Bulletin** .

DEPARTMENT OF INDUSTRIAL AND VOCATIONAL EDUCATION

William B. Burns, Chairman

Baron, Boyte, Hunter, Lackey, M. Lanmon

The Department of Industrial and Vocational Education offers a curriculum leading to the Bachelor of Science degree with majors in Industrial Mechanics (non-teaching), Industrial Arts, and Industrial and Vocational Education. The department also offers programs leading to the Master of Science degree with majors in either Industrial Arts or Industrial and Vocational Education and a specialist's degree in Industrial and Vocational Education. For a description of the graduate programs, consult the **Graduate Bulletin.**

Through these diversified degree programs the department serves a dual role; providing saleable skills to students who desire a career in industry, and training teachers of industrial subjects.

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL MECHANICS

(Non-Teaching Degree)

A major in Industrial Mechanics provides the student with concentrated study and direct experience with machines, power, materials, and industrial processes. This emphasis, when combined with an appropriate minor or electives, prepares the non-teaching major for a managerial, supervisory, or technical career in industry.

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fine Arts (Elective)	3
Fundamentals of Science 104, 105	6
Health and Safety Education 101	3
History 101 or 140	3
Mathematics 101	3
PED, ROTC, AFROTC	2
Psychology 110	3
Political Science 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Economics 255	3
English 203, 333	6
Fundamentals of Science 106, 107	6
History 102 or 141	3
Industrial and Vocational Education 323, 324	6
Mathematics 103	3
Speech Communication 111	3
Elective	2
	32

JUNIOR YEAR	SEM. HRS.
Economics 301	3
Industrial and Vocational Education 301, 302, 315, 316, 331, 332, 333, 360, 362	27
Management 360	3
	33

SENIOR YEAR	SEM. HRS.
Elective	1
Industrial and Vocational Education 303, 318, 350, 361 or 364, 420 or 421, 482	18
Management 364, 456, 464, 466	12
	31
TOTAL:	128

Although a minor is not required, the program outlined above reflects a minor in industrial management. The student's choice of a minor or electives should be determined by his or her career goals, and in consultation with the chairman of the Department of Industrial and Vocational Education.

REQUIREMENTS FOR A MINOR IN INDUSTRIAL MECHANICS

All students pursuing a minor in this area must complete twenty-four (24) semester hours of IVE courses. Suggested courses to meet this requirement are as follows:

IVE 301, 302, 323, 324 or 350, 331, 333, 360, 362 24

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ARTS

A major in Industrial Arts prepares the student to teach that phase of secondary education which serves to familiarize junior and senior high school students with their industrial and technological environment.

This program includes the University's graduation requirements and state certification requirements. The student automatically minors in secondary education.

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fine Arts (Elective)	3
Fundamentals of Science 104, 105	6
Health and Safety Education 101	3
History 101 or 140	3
Mathematics 101	3
PED, ROTC, or AFROTC	2
Psychology 110	3
Sociology 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Educational Psychology 372, 374	6
English 203, 204	6
Fundamentals of Science 106, 107	6
History 102 or 141	3
Industrial and Vocational Education 323, 324 or 350	6
Political Science 101	3
Speech Communication 111	3
	33

JUNIOR YEAR	SEM. HRS.
Curriculum and Instruction: Secondary 422	3
Industrial and Vocational Education 116, 301, 302, 331, 332, 333, 360, 362	24
Research and Foundations 400, 469	6
Special Education 400	3
	36

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction: Secondary 310, 313, 453, 483	18
Industrial and Vocational Education 315, 316, 361 or 364, 401, 480	15
	33
TOTAL:	134

REQUIREMENTS FOR A MINOR IN INDUSTRIAL ARTS

All students pursuing a minor in this area must complete thirty (30) hours in the following IVE courses:

IVE 116, 301, 302, 323, 324, or 350
331, 333, 360, 362, or 361, 401 30

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL AND VOCATIONAL EDUCATION

A major in Industrial and Vocational Education, with an emphasis in one of the following areas, prepares the student to teach a previously acquired vocational or technical skill at the secondary or post-secondary level. A minimum of two years' work experience in a trade or technical area is required for state certification.

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fine Arts (Elective)	3
Fundamentals of Science 104, 105	6
Health and Safety Education 101	3
History 101 or 140	3
Mathematics 101	3
PED, ROTC, AFROTC	2
Psychology 110	3
Sociology 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
English 203, 204	6
Fundamentals of Science 106, 107	6
History 102 or 141	3
Industrial and Vocational Education Skill Courses	12
Political Science 101	3
Speech Communication 111	3
	33

Secondary Trade & Industrial Emphasis

JUNIOR YEAR	SEM. HRS.
Curriculum and Instruction: Secondary 310, 422	6
Educational Psychology 372	3
Industrial and Vocational Education Skill Courses	12
Industrial and Vocational Education 431, 401, 403, 436	12
Research and Foundations 400	3
	36

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction: Secondary 313, 480	12
Educational Psychology 374	3
Industrial and Vocational Education 435, 480, 481, 482	12
Research and Foundations 469	3
Special Education 400	3
	33
TOTAL:	134

Post-Secondary Trade and Industrial Emphasis

JUNIOR YEAR	SEM. HRS.
Adult Education 476	3
Electives	6
Industrial and Vocational Education Skill Courses	12

SENIOR YEAR	SEM. HRS.
Educational Psychology 374	3
Electives	6
Industrial and Vocational	

Industrial and Vocational Education 431, 401, 403, 436	12
	33
Education 435, 480, 481, 482	12
Industrial and Vocational Education 494 or 495	9
	30
TOTAL:	128

Technical Education Emphasis

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fine Arts (Elective)	3
Fundamentals of Science 104, 106	6
Health and Safety Education 101	3
History 101 or 140	3
Mathematics 101, 103	6
PED, ROTC, AFROTC	2
Sociology	3
	32

SOPHOMORE YEAR	SEM. HRS.
English 203, 333	6
History 102 or 141	3
Industrial and Vocational Education Skill Courses	12
Physics (Technical) 105, 106	6
Psychology 110	3
Speech Communication 111	3
	33

JUNIOR YEAR	SEM. HRS.
Adult Education 476	3
Industrial and Vocational Education 323, 324 or 350	6
Industrial and Vocational Education Skill Courses	12
Industrial and Vocational Education 431, 401, 403, 436	12
	33

SENIOR YEAR	SEM. HRS.
Educational Psychology 374	3
Electives	9
Industrial and Vocational Education 435, 480, 481, 482	12
Industrial and Vocational Education 494 or 495	9
	33
TOTAL:	131

DEPARTMENT OF PSYCHOLOGY

James D. Lowe, Jr., Chairman

H. N. Anderson, Dickson, R. P. Edwards, Faulkender, Gates, Gurman, Hailey, Harsh, L. K. Hildman, B. Holliman, G. Jones, Koeppel, Layne, Ozerden, Presley, Ritzler, D. Sisemore, Sitton, Snyder, Wesley

The Department of Psychology offers a full range of courses with emphasis areas in General-Applied Psychology, Pre-Professional Psychology, and Teaching Psychology in High School. A student majoring in Psychology may work toward either a Bachelor of Arts or a Bachelor of Science degree. To complete the Bachelor of Arts degree, a student must complete nine (9) semester hours in a foreign language.

The student wishing to major in Psychology must complete twenty-four (24) semester hours of coursework in the Department of Psychology, in addition to PSY 110. Courses in Educational Psychology (EPY) are taught in the Department of Psychology and may be counted as part of the twenty-four required hours.

REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fundamentals of Science 104, 105	6
Health and Safety Education 101	3
History 101, 102 or 140, 141	6
Physical Education Activity	2
Psychology 110	3
Social Science elective	3
Speech Communication 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
English (200 level or above)	6
Fine Arts	3
Fundamentals of Science 106, 107	6
Mathematics	3
Psychology 310	3
Social Science elective	3
Electives	6
	30

General-Applied Emphasis

JUNIOR YEAR	SEM. HRS.
Psychology 360, 320	6
Psychology electives	6
Minor	9
Electives	12
	33

SENIOR YEAR	SEM. HRS.
Psychology 418	3
Psychology electives	6
Minor	9
Electives	15
	33
TOTAL:	128

Pre-Professional Emphasis

JUNIOR YEAR	SEM. HRS.
Psychology 360, 320, 422	9
Psychology elective	3
Minor	9
Electives	12
	33

SENIOR YEAR	SEM. HRS.
Psychology 418, 426, 436 or 455	9
Minor	9
Electives	15
	33
TOTAL:	128

**Teaching Psychology Emphasis

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372, 374	6
Psychology 360, 320, 422	9
Research and Foundations 400	3
Secondary Education 313	3
Secondary Education (Methods)	3
*Electives	9
	33

SENIOR YEAR	SEM. HRS.
Psychology 418, 426, 436 or 455	9
Research and Foundations 469	3
Secondary Education (Student Teaching)	9
*Electives	12
	33
TOTAL:	128

*The student is advised to use electives to establish certification in an additional area—see Education adviser for guidance.

**Students completing the Secondary Teacher Education Program in Psychology after September 1, 1981 will be required to take the following additional courses as a part of the program:

	Hours
Secondary Education 310 Junior-Senior High School Reading Methods	3

Secondary Education 422
Curriculum Development for Career Education 3
Special Education 400
The Psychology and Education of the Exceptional Child 3
9

DEPARTMENT OF RESEARCH AND FOUNDATIONS

Paul Peddicord, Chairman

J. Berry, Davidson, B. Davis, Ferguson, Garcia, L. Jones, Kazelskis, Knight, Lee, Leonard, Maddox, E. Walters

The Department of Research and Foundations provides supportive services in teacher education. At the undergraduate level, these services include Educational Foundations and Educational Media. At the graduate level, these services include Educational Foundations, Educational Media, and Research Training.

DEPARTMENT OF SCIENCE EDUCATION

Including Fundamentals of Science

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Cotten, Dale, Matthews, Milkent, J. R. Moore, Sonnier, Story

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Please check this department's offerings in the College of Science and Technology, page 232.

DEPARTMENT OF SPECIAL EDUCATION

William V. Plue, Chairman

Gaar, Karnes, Markwalder, Norsworthy, Worthington

The University of Southern Mississippi prepares teachers to teach in several areas of exceptionality. Emphasis areas are available in Educationally Handicapped (mental retardation and specific learning disabilities), Physically Handicapped, Visually Handicapped, and Gifted Education.

The prospective student should understand state certification requirements are to be substantially changed September 1, 1981. The program described below reflects this change. Current majors may finish under present regulations if graduation is completed by the 1981 date. All majors are encouraged to seek advice about their program from faculty advisers.

Students wishing to major in Special Education should follow the program outlined below.

REQUIREMENTS FOR A MAJOR IN SPECIAL EDUCATION

(K - 12)

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
English 101, 102	6	Educational Psychology 374	3
Fine Arts, AA 100	3	English 301, Literature	6
Fundamentals of Science 131, 132	6	Fundamentals of Science 133, 134	6
Health and Safety Education 101	3	Mathematics 101 or 120	3
		Research and Foundation 400	3

History 101 and 102 or 140 and 141	6
Physical Education Activities	2
Psychology 110	3
Speech Communication III	3
	32
Social Science Elective	6
Special Education 400, 402, 200	7
	34

EDUCATIONALLY HANDICAPPED K-12

JUNIOR YEAR	SEM. HRS.
Curriculum and Instruction 306, 309	6
Educational Psychology 370 or 372	3
Research and Foundation 469	3
Special Education 430, 440 431, 401, 403, 432, 450, 201	22
	34

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction 422	3
Physical Education Elective	3
Special Education 433, 411, 470, 451, 481, 202	25
	31
TOTAL (K-12):	131

Substitutions will be made in the above program for those students seeking certifications in Physically Handicapped, Visually Handicapped, and/or Gifted concentrations.

COLLEGE OF FINE ARTS
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
ART			
	ART*		BA,BFA
		Art	
		Drawing and Painting	
		Graphic Communication	
		Three Dimensional Design	
	ART EDUCATION		BFA
MUSIC			
	MUSIC*		BM
		Church Music	
		Jazz	
		History and Literature	
		Organ	
		Percussion	
		Piano	
		Strings	
		Theory-Composition	
		Voice	
		Wind Instruments	
	MUSIC EDUCATION		BME
		Elementary Music Education	
		Instrumental Music Education	
		Keyboard Music Education	
		Vocal Music Education	
THEATRE ARTS			
	DANCE*		BFA
	THEATRE		BFA
		Teacher Certification	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education

COLLEGE OF FINE ARTS

John E. Green, Dean

The primary purpose of the College of Fine Arts is to provide its students with a well-rounded preparation for professional teaching careers in one of the many branches of art, music, dance, or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the College of Fine Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, and designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The College of Fine Arts is organized into four departments: Allied Arts, Art, Music, and Theatre Arts. Baccalaureate majors are available in Art, Art Education, Music, Music Education, Dance, and Theatre. Undergraduate minors are available in Art, Dance, Music, and Theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the College. This course fulfills the University's core requirements for fine arts.

Since curricular requirements vary for each major, students desiring degrees from the College of Fine Arts should follow the courses outlined under each department.

Students majoring in elementary education who wish to emphasize areas in fine arts, please see "Areas of Concentration for Elementary Certification."

DEPARTMENT OF ALLIED ARTS

Walter Lok, Chairman

Mullican, Thomas

The Department of Allied Arts is an arm of the College of Fine Arts designed to provide students with an overview of the nature of the arts, generally, and to examine through a team of specialists, the structure of musical, plastic, and theatrical expressions.

DEPARTMENT OF ART

Jeff R. Bowman, Chairman

DeWitt, Meade, Merrifield, Poirier, Ryan, Stanley, Ward

Curricula leading to the degree of Bachelor of Fine Arts are offered in art education, drawing and painting, graphic communication (commercial art), and three-dimensional design. Curricula are also available in art leading to the degree of Bachelor of Arts. Minor programs are available in Art. The recommended art minor consists of nine (9) hours drawing, nine (9) hours design, and nine (9) hours of art history.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty and student committees. The National Teachers Examinations are required of all students with an emphasis in Art Education. The department reserves the right to retain student work for exhibition purposes.

REQUIREMENTS FOR A MAJOR IN ART

All students pursuing a major in art must complete the following requirements.

General Core	**Hours**
English 101, 102	6
Humanities	9
(Literature, foreign language, history, philosophy, religion: no more than six hours from any one area)	
Mathematics	3

Physical Education or Approved Substitute 2
Science 6
Social Science 9
(Nine hours from the following areas with no more than three hours from any one area: anthropology, economics, geography, psychology, sociology, political science.)

Professional Requirements

ART 101, 102, 111, 112,
131, 332, 333, 334 or 335 24
ART Electives 9

REQUIREMENTS FOR A MAJOR IN ART, EMPHASIS ART

(Bachelor of Arts Degree-BA)

FRESHMAN YEAR	SEM. HRS.
Art 101, 102, 111, 112, 131	15
English 100 or Elective	3
English 101, 102	6
Mathematics	3
Physical Education	2
Science	3
	32

SOPHOMORE YEAR	SEM. HRS.
Art History 332, 333	6
Art Elective	6
Art Sequence I	6
Humanities Core	6
Minor or Elective	9
Science	3
	36

JUNIOR YEAR	SEM. HRS.
Art History 334/335	3
Art Sequence I, II	6
Art Elective	6
Foreign Language	6
Humanities Core	3
Minor or Elective	3
Social Science Core	3
	30

SENIOR YEAR	SEM. HRS.
Art Sequence II	6
Foreign Language	3
Minor or Elective	15
Social Science Core	6
	30
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN ART, EMPHASIS ART EDUCATION

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
Art 101, 102, 111, 112	12
English 101, 102	6
Fundamentals of Science 104, 105	6
History 101, 102	6
Physical Education	2
Speech Communication 111	3
	35

SOPHOMORE YEAR	SEM. HRS.
Art 131, 201, 221, 332	12
Art Elective	6
Art Education 309	3
English 203	3
Fundamentals of Science 106	3
Health 101	3
Psychology 110	3
Secondary Education 310	3
	36

JUNIOR YEAR	SEM. HRS.
Art 321, 333, 334 or 335, 412	12
Art Elective	3
Art Education 310	3
Educational Psychology 372	3
English Literature	3
Fundamentals of Science 107	3
Mathematics	3
Research and Foundations 300	3
Social Science Core	3
	36

SENIOR YEAR	SEM. HRS.
Art 351, 414	6
Art Education 492	3
Educational Psychology 374	3
Research and Foundations 469	3
Secondary Education 313, 422, 452, 482	18
Special Education 400	3
	36
TOTAL:	143

REQUIREMENTS FOR A MAJOR IN ART, EMPHASIS DRAWING AND PAINTING

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
Art 101, 102, 111, 112, 131, 221	18
English 100 or Elective	3
English 101	3
Mathematics	3
Physical Education	2
Science	3
	32

SOPHOMORE YEAR	SEM. HRS.
Art 201, 202, 321, 322	12
Art History 332, 333	6
English 102	3
Humanities Core	3
Science	3
Social Science Core	6
	33

JUNIOR YEAR	SEM. HRS.
Art 203, 302, 323, 421	12
Art History 334/335	3
Art Elective	3
Electives	6
Humanities Core	6
Social Science Core	3
	33

SENIOR YEAR	SEM. HRS.
Art 303, 422, 423, 428	12
Art Electives	6
Electives	12
	30
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN ART, EMPHASIS GRAPHIC COMMUNICATION

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
Art 101, 102, 111, 112, 131	15
English 100 or Elective	3
English 101, 102	6
Mathematics	3
Physical Education	2
Science	3
	32

SOPHOMORE YEAR	SEM. HRS.
Art 201, 202, 311	9
Art 341, 342, 344	9
Art History 332, 333	6
Elective	3
Humanities Core	6
Science	3
	36

JUNIOR YEAR	SEM. HRS.
Art 301, 343, 441	9
Art Electives	6
Art History 334/335	3
Electives	6
Humanities Core	3
Social Science Core	3
	30

SENIOR YEAR	SEM. HRS.
Art 442, 443, 448	9
Art Elective	3
Electives	12
Social Science Core	6
	30
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN ART, EMPHASIS THREE-DIMENSIONAL DESIGN

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
Art 101, 102, 111, 112, 131	15
English 100 or Elective	3
English 101, 102	6
Mathematics	3
Physical Education	2
Science	3
	32

SOPHOMORE YEAR	SEM. HRS.
Art 201, 202, 351, 352	12
Art History 332, 333	6
Elective	3
Humanities Core	6
Science	3
	30

JUNIOR YEAR	SEM. HRS.
Art 302, 303, 451, 452	12
Art Electives	6
Art History 334/335	3
Electives	9
Humanities Core	3
Social Science Core	3
	36

SENIOR YEAR	SEM. HRS.
Art 453, 454, 458	9
Art Elective	3
Electives	12
Social Science Core	6
	30
TOTAL:	128

DEPARTMENT OF MUSIC

A. Norbert Carnovale, Chairman

Alexander, Andersen, A. Anderson, Behm, Bohl, Bullock, Cox, Cushman, Deans, P. Dennis, Donohue, Donovan, Edrington, Enderlin, Goldberg, A. Gower, W. Gower, J. E. Green, L. Green, Guilbeau, Hays, R. H. Hill, Hong, Imbragulio, Jerome, M. R. Johnson, R. T. Johnson, Lebsack, Love, McCreery, M. Moore, Moreland, J. Mullins, Osadchuk, Pound, R. Prenshaw, Presser, Ragsdale, Sanchez, N. Thomas, L. Thrash, Tuley, Waldoff, Wieman, V. Wood, Zaninelli, Zepeda

The University of Southern Mississippi Department of Music is a fully accredited member of the National Association of Schools of Music. Requirements are in accordance with the published regulations of this Association.

Students electing to take applied lessons not required for specific degree programs are required to pay an additional fee. (See Table II, Special Fees and Expenses.)

There are two undergraduate majors available to students in the Department of Music, a major in Music or in Music Education. Emphasis areas in music are: Church Music, Jazz, Music History and Literature, Organ, Percussion, Piano, Strings (including Guitar),

Theory-Composition, Voice, and Wind Instruments. Music Education emphasis areas are: Instrumental, Keyboard, Vocal, and Elementary.

Every music or music education degree requires participation in the same major ensemble for the equivalent of four academic years, exclusive of the student teaching semester. Major performing ensembles are band, orchestra, and chorus. Jazz lab band satisfies the requirement only for students pursuing the BM degree with emphasis in jazz. For students whose degree plan requires a chorus, assignment to the proper major performing chorus is made by the director of choral activities. The approval of the department chairman must be obtained for any exceptions to the major performing ensemble requirement as stated above. Students who do not have the proper number of terms of registration for the correct major performing ensemble will not be allowed to graduate.

Advisory Auditions and Examinations

Every potential music major is required to perform an advisory audition and take placement examinations in music theory and piano prior to the first term of enrollment as a music major.

Recital Attendance Requirements

Music and Music Education students are required to register for Recital Class (APM 199, 299, 399, or 499), attend the weekly student Recital Hour, and attend a minimum of 6 recitals/concerts each semester.

REQUIREMENTS FOR A MINOR IN MUSIC

The student who wishes to take a Bachelor of Arts or Bachelor of Science degree and minor in music may do so by taking the following distribution of courses:

MUS 101, 102, 131, 201, 202,
MED 331, 332,
APM 101, 102, 161, 162 or MED 301
Instrumental Elective (other than keyboard)
Music Elective

REQUIREMENTS FOR A MAJOR IN MUSIC

(Bachelor of Music—BM)

Emphasis; Voice

FRESHMAN YEAR	SEM. HRS.
Applied Music piano, 161, 162, major performing ensemble, 199	12
English 101, 102	6
Music 101, 101L, 102, 102L, 131, 439	11
Physical Education or approved substitute	2
	31

SOPHOMORE YEAR	SEM. HRS.
Applied Music 201, 202, 261, 262, major performing ensemble, 299	12
Foreign Language	6
Humanities electives	6
Music 201, 201L, 202, 202L, 231, 232	12
	36

JUNIOR YEAR	SEM. HRS.
Applied Music 361, 362, 370, major performing ensemble, 399	9
Foreign Language	6
Music 301, 302, 321 or 322, 440, 441	10
Music Education 331, 332	3

SENIOR YEAR	SEM. HRS.
Applied Music 461, 462, 470, major performing ensemble, 499	9
Mathematics 120	3
Music Education 450, 451	4
Science electives	6
Social Science electives	6

Social Science elective	3
Theatre 341, 342	2
	33

Theatre 447, 448	2
	30
TOTAL:	130

Emphasis: Piano

FRESHMAN YEAR	SEM. HRS.
Applied Music 101, 102, major performing ensemble, 199	8
English 101, 102	6
Humanities electives	6
Mathematics 101 or 120	3
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	33

SOPHOMORE YEAR	SEM. HRS.
Applied Music 201, 202, major performing ensemble, 299	8
Music 201, 201L, 202, 202L, 231, 232	12
Science electives	6
Social Science electives	6
	32

JUNIOR YEAR	SEM. HRS.
Applied Music 301, 302, 370, 371, 372, 375, 376, major performing ensemble, 399	13
Electives	7
Music 301, 302, 322	6
Music Education 331, 332	3
Social Science elective	3
	32

SENIOR YEAR	SEM. HRS.
Applied Music 401, 402, 470, 475, 476, major performing ensemble, 499	12
Electives	10
Music 442, 443	4
Music Education 301, 452, 453	6
	32
TOTAL:	129

Emphasis: Organ

FRESHMAN YEAR	SEM. HRS.
Applied Music piano, 111, 112, major performing ensemble, 199	12
English 101, 102	6
Humanities electives	6
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	34

SOPHOMORE YEAR	SEM. HRS.
Applied Music 211, 212, major performing ensemble, 299	8
Foreign Language	6
Music 201, 201L, 202, 202L, 231, 232	12
Science electives	6
	32

JUNIOR YEAR	SEM. HRS.
Applied Music 311, 312, major performing ensemble, 370, 371, 372, 399	11
Mathematics 101 or 120	3
Music 301, 302, 321 or 322, 401, 459, 462	15
Music Education 331, 332	3
	32

SENIOR YEAR	SEM. HRS.
Applied Music 411, 412, 470, major performing ensemble, 499	9
Music 444, 445	4
Music Education 301, 423, 454, 455	9
Social Science electives	9
	31
TOTAL:	129

Emphasis: Strings

FRESHMAN YEAR	SEM. HRS.
Applied Music piano, major instrument, 181, 199	12
English 101, 102	6
Mathematics 120	3
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	31

SOPHOMORE YEAR	SEM. HRS.
Applied Music major instrument, 281, 299	8
Electives	6
Humanities electives	6
Music 201, 201L, 202, 202L, 231, 232	12
	32

JUNIOR YEAR	SEM. HRS.
Applied Music major instrument, 370, 371, 372, 381, 399	11
Music 301, 302, 321 or 322	6
Music Education 331, 332	3
Science electives	6
Social Science electives	6
	32

SENIOR YEAR	SEM. HRS.
Applied Music major instrument, 470, 471, 472, 481, 499	11
Electives	2
Music 401, 446, 447	7
Music Education 221, 222, 301, 322, 323, 456, 457	10
Social Science elective	3
	33
TOTAL:	128

Emphasis: Wind Instruments

FRESHMAN YEAR	SEM. HRS.
Applied Music piano, major instrument, 181 or 182, 199	12
English 101, 102	6
Mathematics 120	3
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	31

SOPHOMORE YEAR	SEM. HRS.
Applied Music major instrument, 281 or 282, 299	8
Humanities electives	6
Music 201, 201L, 202, 202L, 231, 232	12
Music Education 221	1
Social Science electives	6
	33

JUNIOR YEAR	SEM. HRS.
Applied Music major instrument, 370, 371, 372, 381 or 382, 399	11
Elective	3
Music 301, 302, 321 or 322	6
Music Education 331, 332, 421, 425	5
Science electives	6
	31

SENIOR YEAR	SEM. HRS.
Applied Music major instrument, 470, 471, 472, 481 or 482, 499	11
Elective	6
Music 401, 446, 447	7
Music Education 301, 458, 459	6
Social Science elective	3
	33
TOTAL:	128

Emphasis: Percussion

FRESHMAN YEAR	SEM. HRS.
Applied Music piano, 156, 157, 181 or 182, 199	12
English 101, 102	6

SOPHOMORE YEAR	SEM. HRS.
Applied Music 256, 257, 281 or 282, 299	8
Electives	6

Mathematics 120	3
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	31

Humanities electives	6
Music 201, 201L, 202, 202L, 231, 232	12
	32

JUNIOR YEAR	SEM. HRS.
Applied Music 356, 357, 370, 371, 372, 381 or 382, 399	11
Music 301, 302, 322	6
Music Education 331, 332	3
Science electives	6
Social Science electives	6
	32

SENIOR YEAR	SEM. HRS.
Applied Music 456, 457, 470, 471, 472, 481 or 482, 499	11
Electives	3
Music 401, 446, 447	7
Music Education 301, 321, 322, 323, 458, 459	9
Social Science elective	3
	33
TOTAL:	128

Emphasis: Jazz

FRESHMAN YEAR	SEM. HRS.
Applied Music major instrument, piano, 184, 199	10
English 101, 102	6
Humanities elective	6
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	32

SOPHOMORE YEAR	SEM. HRS.
Applied Music major instrument, 284, 299	6
Mathematics 120	3
Music 201, 201L, 202, 202L, 231, 232	12
Music Education 421, 425	2
Science elective	6
Social Science elective	3
	32

JUNIOR YEAR	SEM. HRS.
Applied Music major instrument, 384, 399	8
Music 322, 360, 367, 375, 376, 401, 467, 470	17
Social Science elective	6
	31

SENIOR YEAR	SEM. HRS.
Applied Music major instrument, minor instrument, 484, 499	12
Electives	6
Music 301, 302, 475, 476	8
Music Education 331, 332, 428	4
Music History elective	3
	33
TOTAL:	128

Emphasis: Church Music

The curriculum in Church Music is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full-time profession. Special emphasis is placed on literature to be used in the church services. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

FRESHMAN YEAR	SEM. HRS.
Applied Music major instrument (organ, piano, or voice), major performing ensemble, 199	6
English 101, 102	6
Humanities electives	6
Music 101, 101L, 102, 102L, 131	8

SOPHOMORE YEAR	SEM. HRS.
Applied Music major instrument, minor instrument, major performing ensemble, 299	10
Mathematics 120	3
Music 201, 201L, 202, 202L, 231, 232	12

Physical Education or approved substitute	2
Science elective	6
	34

JUNIOR YEAR	SEM. HRS.
Applied Music major instrument, major performing ensemble, 399	8
Music 301, 302, 321 or 322, 351, 459, 462	15
Music Education 311, 312, 423	9
	32

SENIOR YEAR	SEM. HRS.
Religion electives	6
Applied Music major instrument, major performing ensemble, 470 (may be waived if student takes 3 additional hours in his applied area), 499	9
Music 401, 448, 449	7
Music Education 331, 332, 450	5
Social Science electives	9
Theatre 341	1
	31
TOTAL:	128

Emphasis: Music Theory—Composition

This emphasis is designed to prepare the student for teaching theory and composition and writing and arranging music of serious intent. Various steps in the preparation of music from the preliminary sketch to the published composition are included. The student will become familiar with the Music-writer, Vari-Typer, diazo-printing, offset-printing, copyright law, and the sale, distribution, and promotion of published music.

FRESHMAN YEAR	SEM. HRS.
Applied Music piano, elective, major performing ensemble, 199	10
English 101, 102	6
Foreign Language	6
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	32

SOPHOMORE YEAR	SEM. HRS.
Applied Music elective, major performing ensemble, 291, 292, 299	10
Computer Science 100	3
Mathematics 120	3
Music 201, 201L, 202, 202L, 231, 232, 321, 322	16
	32

JUNIOR YEAR	SEM. HRS.
Applied Music elective, major performing ensemble, 391, 392, 399	12
Music 301, 302	4
Music Education 321, 322, 323, 331, 332	6
Science electives	6
Social Science electives	6
	34

SENIOR YEAR	SEM. HRS.
Applied Music elective, major performing ensemble, 491, 492, 499	12
Electives	4
Music 401	3
Music History-Literature electives	6
Music Theory elective	2
Social Science elective	3
	30
TOTAL:	128

Emphasis: Music History and Literature

The curriculum in Music History and Literature is planned for those who intend ultimately to teach musicology on the college level, or for those who desire careers in music librarianship, music journalism, music publishing, or the recording industry—fields in which a wide and comprehensive knowledge of music history and literature is essential.

The student in music history and literature will receive a strong foundation not only in his chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

Participation in *Collegium Musicum* is required for music history and literature majors. Any exception must be cleared by the chairman of the Music Department.

FRESHMAN YEAR	SEM. HRS.
Applied Music piano, major instrument, major performing ensemble, 199	10
English 101, 102	6
Foreign Language	6
Mathematics 120	3
Music 101, 101L, 102, 102L, 131	8
Physical Education or approved substitute	2
	35

SOPHOMORE YEAR	SEM. HRS.
Applied Music major instrument, major performing ensemble, 299	6
Foreign Language	6
History 101, 102	6
Music 201, 201L, 202, 202L, 231, 232	12
Social Science electives	6
	36

JUNIOR YEAR	SEM. HRS.
Applied Music major instrument, major performing ensemble, 385, 391, 399	12
Music 301, 302, 321, 322	8
Music Education 331, 332	3
Music History-Literature electives*	6
Science elective	3
	32

SENIOR YEAR	SEM. HRS.
Applied Music major instrument, major performing ensemble, 485, 499	10
Music 401	3
Music History-Literature electives*	12
Science elective	3
Social Science elective	3
	31

*Music History-Literature electives to be selected from the following courses:
Music 352, 432, 433, 434, 435, 436, 437, 450, 451, 462

TOTAL: 134

REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION

(Bachelor of Music Education—BME)

The curricula in music education are designed to prepare musicians who will teach in the public or private schools, or teach privately. The emphases listed below are designed to provide a balance between music performance, music pedagogy, and general education. These curricula are fully certified by the National Association of Schools of Music, and they satisfy teacher certification requirements.

Certain forms and one major examination are required for completion of all degrees in Music Education. A timetable for the student's completion of these forms is given below.

1. At the beginning of the junior year, the Program Plan-Teaching Form is to be completed (see Teacher Education Program for specific instructions).
2. Six months in advance of the student teaching semester, the Application for Student Teaching is due (see Teacher Education Program for specific instructions). Students should contact the Music Education supervisor of student teachers at the beginning of their junior year regarding practice teaching assignments.
3. At least two semesters before degree requirements are completed, the Application for Degree must be filed (see Teacher Education Program for specific instructions).
4. During the senior year the National Teacher Examinations (NTE) should be taken.

Guidelines for completing the above-mentioned forms and examinations may be obtained at the office of the Coordinator of Undergraduate Studies.

Emphasis: Instrumental Music Education

FRESHMAN YEAR	SEM. HRS.
Applied Music Major Instrument, Ensemble, 199	4
English 101, 102	6
Health Education 101	3
History 101, 102 or 140, 141	6
Mathematics	3
Music 101, 101L, 102, 102L, 131	8
Music Education 101, 102	4
Physical Education or substitute	2
	36

SOPHOMORE YEAR	SEM. HRS.
Applied Music Major Instrument, Ensemble 299	6
English 203, 204	6
Fundamentals of Science 104, 105	6
Music 201, 201L, 202, 202L, 231, 232	12
Music Education 221*, 222*	2
Psychology 110	3
Speech Communication 111	3
	38

JUNIOR YEAR	SEM. HRS.
Applied Music Major Instrument, Ensemble, 399	6
Educational Psychology 372, 374	6
Fundamentals of Science 106, 107	6
Music 301, 302	4
Music Education 311, 312, 331, 332, 301, 421*, 422*	13
Political Science 101	3
	38

SENIOR YEAR	SEM. HRS.
Applied Music Major Instrument, Ensemble, 499	3
Curriculum Instruction Elementary 309	3
Curriculum Instruction Secondary 313, 422, 493	15
Music 401	3
Music Education 412, 425*, 426*, 427*, 428*	7
Special Education 400	3
	34
TOTAL:	146

*In each area, one hour of applied study on an appropriate instrument may be substituted for class instruction.

Emphasis: Keyboard Music Education

FRESHMAN YEAR	SEM. HRS.
Applied Music Ensemble, 101, 102, 161, 199	8
English 101, 102	6
Health Education 101	3
History 101, 102 or 140, 141	6
Mathematics	3
Music 101, 101L, 102, 102L, 131	8
Music Education 301	2
Physical Education or substitute	2
	38

SOPHOMORE YEAR	SEM. HRS.
Applied Music Ensemble, 201, 202, 162, 299	8
English 203, 204	6
Fundamentals of Science 104, 105	6
Music 201, 201L, 202, 202L, 231, 232	12
Music Education 450	2
Psychology 110	3
	37

JUNIOR YEAR	SEM. HRS.
Applied Music Ensemble, 301, 302, 399	6
Education Psychology 370 or 372, 374	6
Fundamentals of Science 106, 107	6
Music 301, 302	4
Music Education 311, 312, 331, 332	9
Speech Communication 111	3
Theatre Arts 341	1
	35

SENIOR YEAR	SEM. HRS.
Applied Music Ensemble, 401, 499	3
Curriculum Instruction Elementary 309	3
Curriculum Instruction Secondary 313, 422, 492	15
Music Education 321, 322, 323 (select two), 411, 452	7
Political Science 101	3
Special Education 400	3
	34
TOTAL:	144

Emphasis: Vocal Music Education

FRESHMAN YEAR	SEM. HRS.
Applied Music Ensemble, 101, 102, 161, 162, 199	10
English 101, 102	6
Health Education 101	3
History 101, 102 or 140, 141	6
Mathematics	3
Music 101, 101L, 102, 102L, 131	8
Physical Education or substitute	2
	38

SOPHOMORE YEAR	SEM. HRS.
Applied Music Ensemble, 201, 202, 261, 262, 299	10
English 203, 204	6
Fundamentals of Science 104, 105	6
Music 201, 201L, 202, 202L, 231, 232	12
Psychology 110	3
	37

JUNIOR YEAR	SEM. HRS.
Applied Music Ensemble, 361, 362, 399	6
Education Psychology 372, 374	6
Fundamentals of Science 106, 107	6
Music 301, 302	4
Music Education 311, 312, 331, 332	9
Speech Communication 111	3
Theatre Arts 341, 342	2
	36

SENIOR YEAR	SEM. HRS.
Applied Music Ensemble, 461, 499	3
Curriculum Instruction Elementary 309	3
Curriculum Instruction Secondary 313, 422, 493	15
Music Education 321, 322, 323 (select two), 411, 450	7
Political Science 101	3
Special Education 400	3
	34
TOTAL:	144

Emphasis: Elementary Music Education

Students wishing to become Elementary School Music Specialists should follow the curriculum for Instrumental, Keyboard, or Vocal Emphasis with the following exception: MED 440 should replace MED 411 or 412 and Music 456 should be added.

DEPARTMENT OF THEATRE ARTS

I. Blaine Quarnstrom, Chairman

Amacker, Atherton, G. Crook, Faust, R. B. Hill, Mullican, Robertson

The Department of Theatre Arts offers degree programs in theatre and dance. Both programs lead to the Bachelor of Fine Arts degree.

The dance program is the only one in Mississippi offered in a college of fine arts and the only dance major offered in the state. The theatre program is also the only one in the state offered in a fine arts college. Both programs provide the student with sound theory and intensive practical training and, in addition, opportunities for extensive performance experiences and exposure to visiting professional artists.

For information concerning Master of Arts and Master of Fine Arts degrees consult the **Graduate Bulletin.**

REQUIREMENTS FOR A MAJOR IN THEATRE

Students seeking the Bachelor of Fine Arts Degree in Theatre must complete the following:

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Mathematics 120	3
Physical Education*	2
Social Science Core Electives	6
Theatre 103, 111, 120, 125, 330, 331	13
	30

SOPHOMORE YEAR	SEM. HRS.
Humanities Core Electives	6
Science Core Electives	6
Theatre 140, 200, 201, 204 330, 331	12
Theatre Electives**	5
Free Elective	3
	32

JUNIOR YEAR	SEM. HRS.
Social Science Core Elective	3
Theatre 306, 320, 330, 331	8
Theatre Electives	12
Free Electives	10
	33

SENIOR YEAR	SEM. HRS.
Theatre 330, 331, 412, 427, 428	11
Theatre Electives	16
Free Electives	8
	35
TOTAL:	130

*Each of the following theatre courses may be substituted for one hour of the General Core Physical Education requirement: THE 105, 106, 150, 250.

**Theatre electives should be chosen from the following groups. Select a minimum of three courses from each of the four groups.

A. Theatre 140, 310, 411, 417, 492
B. Theatre 150/250, 240, 353, 361, 468
C. Theatre 301, 420, 459, 492
D Theatre 401, 460, 461, 492
E. Theatre 410, 435, 445, 492
F. Theatre 414, 415, 480, 492
G. English 417, 454, 455, 472, Theatre 416

REQUIREMENTS FOR A MINOR IN THEATRE

Students pursuing a minor in Theatre should complete the following twenty-one (21) semester hours of theatre courses:

THE 103, 120, 200, 320, plus nine (9) hours of theatre electives.

Requirements for an Emphasis in Teacher Certification

The theatre major desiring Teacher Certification must complete the following:

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
English 101, 102, 203	9
Fundamentals of Science 104, 105	6
Physical Education	2
Social Science Core Elective	3
Theatre 103, 111, 120, 125, 140, 330, 331	15
	38

SOPHOMORE YEAR	SEM. HRS.
English 350, 370	6
Fundamentals of Science 106, 107	6
History 101 and 102 or 140 and 141	6
Mathematics 101 or 120	3
Psychology 110	3
Research and Foundations 300	3
Theatre 200, 201, 204, 330, 331	10
	37

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372, 374	6
English 401, 454 or 455	6
Health 101	3
Speech Communication 111	3
Research and Foundations 416	3
Secondary Education 310	3
Theatre 306, 320, 330, 331, 427, 428	14
	38

SENIOR YEAR	SEM. HRS.
English 417, 472	6
Research and Foundations 469	3
Secondary Education 313, 454, 484	15
Speech or Theatre Electives	4
Theatre 412	3
	31
TOTAL:	134

REQUIREMENTS FOR A MAJOR IN DANCE

Students seeking the Bachelor of Fine Arts Degree in Dance must complete the following:

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Humanities Core Electives	6
Social Science Core Elective	3
Theatre 111	3
Theatre 152	6
Theatre 252	6
	30

SOPHOMORE YEAR	SEM. HRS.
Biology 220	3
Biology Laboratory 220	1
Mathematics 120	3
Music 365	3
Social Science Core Elective	3
Theatre 120, 259, 354	7
Theatre 258	6
Theatre 352	6
	32

JUNIOR YEAR	SEM. HRS.
Biology 221	3
Biology Laboratory 221	1
Social Science Core Elective	3
Theatre 253, 354, 359, 412, 440, 462, 463	18
Theatre 358	6
Theatre Electives (Dance)	4
	35

SENIOR YEAR	SEM. HRS.
Physical Education 301	3
Theatre 354, 401, 464, 465, 466, 467, 470	21
Theatre 458	6
Theatre Electives (Dance)	4
	34
TOTAL:	131

REQUIREMENTS FOR A MINOR IN DANCE

Students pursuing a minor in Dance should complete the following twenty-six (26) semester hours of courses:

THE 252, 253, 259, 463, 464, plus six (6) hours of Modern Dance Technique (major level), and six (6) hours of major level dance electives.

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
ATHLETIC ADMINISTRATION AND COACHING			
	ATHLETIC ADMINISTRATION AND COACHING*		BS
		Teaching and Coaching	
		Non-Teaching	
HEALTH AND SAFETY EDUCATION			
	HEALTH EDUCATION*		BS
		Community Health Education	
		School Health Education	
		School Health and Safety Education	
PHYSICAL EDUCATION			
	PHYSICAL EDUCATION*		BS
		Professional Physical Education	
		Teacher Certification	
RECREATION			
	RECREATION*		BS
		Community and Municipal Recreation	
		Recreation Planning and Resource Management	
		Therapeutic Recreation, Non-Certification	
		Leisure Studies	

*Minor Available
**Degree Abbreviation: (BS) Bachelor of Science

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

Walter E. Cooper, Dean

PURPOSE

The primary purpose of the School of Health, Physical Education, and Recreation is to educate future leaders in the fields of athletic administration and coaching, health, physical education, and recreation. Also of equal importance is the coordination of the physical education activity course program which includes all intramural activities, extramural sports clubs, and the recreational equipment loan service.

ORGANIZATION

The Dean's Office in the School is the major administrative component. This office includes the Dean, Graduate Coordinator, and an undergraduate coordinator-assistant. There are five departments: Athletic Administration and Coaching, Health and Safety Education, Physical Education, Recreation, and Intramural Recreational Sports.

Each department has a chairman and the various programs and/or projects within departments have coordinators or directors. These departments offer the Bachelor of Science degree in the respective majors and coordinate teaching certification through the College of Education and Psychology. Career non-teaching programs are also available within each department.

Consult the **Graduate Bulletin** for graduate program information.

REQUIREMENTS

Any student who satisfies admission requirements to the University through the Office of Admissions is eligible for admission to the School of Health, Physical Education, and Recreation. Admission to the School, however, does not constitute admission to a major program. Major program admission is completed when a completed program plan is on file in the Dean's Office, School of Health, Physical Education, and Recreation.

COMMON REQUIREMENTS FOR A MAJOR IN SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

The following School of HPER Core satisfies the requirements of the University General Core Curriculum and is required of all students majoring within the School who seek teacher certification.

	Hours
Curriculum and Instruction—Secondary 422	3
English 101, 102 and two other English courses 200 level or above	12
History 101 and 102, or 140 and 141	6
Health and Safety Education 101, 311	6
Humanities and Fine Arts	3
Elect one course from the following for 3 hours: art, music, drama, dance, or theatre	
Mathematics	3
Physical Education (activity)*	3
Psychology 110	3
Speech Communication 111	3
Science	12
Biological Science--6 hours Physical Science--6 hours (The Fundamentals of Science series satisfies this requirement)	

Special Education 400 3
Social Sciences 6
Elect two courses from the following for 6 hours:
anthropology, economics, geography, political
science, and sociology

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*The physical education activity requirement may be satisfied by successfully completing the following options: ROTC/AFROTCI, varsity athletics, Marching Band, Dixie Darlings, cheerleaders, or Pom-Pon Girls.

Students in a non-teaching curriculum will continue to use the General Core Curriculum.

Departments also have additional specific course requirements which must be completed. In order to qualify for a degree within the School of Health, Pysical Education, and Recreation, students must complete all requirements in the program of their choice as specified in this catalog and outlined in their approved program plan.

Teaching Certification

Students desiring teaching certification must also file a program plan with the College of Education and Psychology.

Academic Suspensions

Students must maintain the academic standards, as stipulated in the Academic Requirements section of this Bulletin, to assure readmission quarterly. Academic suspension requires the dean's approval prior to readmission.

Waiver of Substitution of Major Requirements

Any waiver of substitution of major requirements must be approved by the appropriate department chairman and the Dean of the School.

DEPARTMENT OF ATHLETIC ADMINISTRATION AND COACHING

M. C. Johnson, Chairman

M. Bell, J. R. Carpenter, Gallaspy, Giles, R. Grantham,
E. L. Harrington, James, Ladner, Reiselt, C. J. Taylor

The Department of Athletic Administration and Coaching offers a major in Athletic Administration and Coaching leading to the Bachelor of Science degree; a minor program; and specialization programs in aquatics, athletic training, minor sports, and officiating competitive athletics.

The objectives of the Department of Athletic Administration and Coaching are as follows:

1. To prepare athletic administrators and coaches for careers in the total educational environment.
2. To prepare students majoring in athletic administration and coaching for non-teaching careers.
3. To provide a minor in athletic administration and coaching for students majoring in other academic disciplines.
4. To provide each student the opportunity to specialize for certification in the areas of aquatics, athletic training, minor sports, and officiating competitive sports.

PROFESSIONAL DEGREE (TEACHING AND COACHING)

The purpose of this program is to provide professional training for teachers who will administer and coach athletics in addition to their teaching responsibilities. The program

requires a total of thirty (30) semester hours in athletic administration and coaching. Students must also complete their professional requirements for secondary education and the general education requirements for secondary teachers. Teaching certification will be in the area selected by each student in conference with his adviser.

REQUIREMENTS FOR A MAJOR IN ATHLETIC ADMINISTRATION AND COACHING WITH AN EMPHASIS IN TEACHING AND COACHING

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Health and Safety Education	3
History 101 and 102, or 140 and 141	6
Mathematics	3
Physical Education (activity)*	1
Science	6
Biological Science--3 hours	
Physical Science--3 hours	
(The Fundaments of Science series satisfies this requirement)	
Social Sciences	6
Elect two courses from the following for 6 hours (not more than 3 hours from any area): anthropology, economics, geography, political science, and sociology.	
	31

SOPHOMORE YEAR	SEM. HRS.
Athletic Administration and Coaching (AAC) 303	3
AAC Elective	3
English (200 Level or above)	6
Health and Safety Education 311	3
Humanities and Fine Arts	3
Elect one course from the following for 3 hours: literature, fine arts,** religion, foreign language, philosophy.	
Physical Education (activity)*	2
Psychology 110	3
Science	6
Biological Science--3 hours	
Physical Science--3 hours	
(The Fundamentals of Science series satisfies this requirement)	
Speech Communication 111	3
	32

* The physical education activity requirement may be satisfied by successfully completing the following option: ROTC/AFROTC, varsity athletics, Marching Band, Dixie Darlings, cheerleaders, or Pom-Pon Girls.
** Students seeking teaching certification are required to take this elective in the fine arts area.

JUNIOR YEAR	SEM. HRS.
Athletic Administration and Coaching (AAC) 370	3
AAC 409	3
AAC Electives	9
Educational Psychology 372	3
Educational Psychology 374	3
Research and Foundations 400	3
Research and Foundations 469	3
	27

SENIOR YEAR	SEM. HRS.
AAC	6
(Elect from: AAC 300, 420, 470, 471)	
AAC Elective	3
Curriculum and Instruction	3
(Secondary: Special Methods)	
Curriculum and Instruction—Secondary 313	3
Curriculum and Instruction	9
(Secondary: Student Teaching	
	24

Students should consult with their adviser for teaching certification requirements.

Four (4) hours taken from the following courses may be used to satisfy partially the thirty (30) semester hour athletic administration and coaching requirements for the professional (teaching and coaching) degree.

AAC 210, 211, 212, 213, 214, 215.

Students graduating after September 1, 1981, will be required to take the following additional courses:

	Hours
Curriculum and Instruction—Secondary 310	3
Special Education 400	3
Curriculum and Instruction—Secondary 422	3

PROFESSIONAL DEGREE (Non-Teaching)

The purpose of this program is to provide professional training for students desiring careers in non-teaching areas. Those students pursuing the Non-Teaching Emphasis shall not be required to take the professional teacher education requirements. These additional hours should be used further to enhance competencies in the students' chosen careers.

REQUIREMENTS FOR A MAJOR IN ATHLETIC ADMINISTRATION AND COACHING WITH A NON-TEACHING EMPHASIS

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Physical Education (activity)*	2
Science**	6
Social Science**	3
Nine hours from the following areas with no more than three hours from any one area: anthropology, economics, geography, psychology, sociology, political science.	
Electives	15
	32

SOPHOMORE YEAR	SEM. HRS.
Humanities and Fine Arts	6
Six hours from the following areas: literature, allied arts, foreign language, history, philosophy, religion.	
Mathematics	3
Social Science**	6
Nine hours from the following areas with no more than three hours from any one area: anthropology, economics, geography, psychology, sociology, political science.	
Electives	20
	35

* Students are required to take two physical education activity courses during the freshman year unless excused from the requirement by the University physician or the dean of his/her school or college. Students who complete Military Science I or Aerospace Studies are excused from the physical education requirement. Those participating in varsity athletics, Marching Band, Dixie Darlings, cheerleaders, or Pom-Pon Girls may substitute this for required physical education. Only one physical education activity course may be taken in any one semester.

**For recommendations and requirements in these areas, the student should consult the introduction to the appropriate degree-granting college or school. Note also that each college or school has additional requirements for its specific core. In addition each degree-granting college or school has its own requirements for a particular degree. These requirements are designed to give the student the necessary preparation for completing a major and are listed in the Colleges and Schools Section.

JUNIOR YEAR	SEM. HRS.
Athletic Administration and Coaching (AAC) 240	3
AAC 300	3
AAC 303	3
AAC 322 or 323	2
AAC 340	2
AAC 341	2
AAC 360	3
AAC 361	3
AAC 362	2
AAC Electives	8
	31

SENIOR YEAR	SEM. HRS.
AAC 370	3
AAC 409	3
AAC 420	3
AAC 424	3
AAC 425	3
AAC 460	2
AAC 470	3
AAC 471	3
AAC Electives	7
	30

Four (4) hours taken from the following courses may be used to satisfy partially the athletic administration and coaching requirement for the professional (non-teaching) emphasis.

AAC 210, 211, 212, 213, 214, 215.

Students desiring certification in Athletic Training may substitute National Athletic Trainers Association (NATA) course requirements for other Athletic Administration and Coaching Specialization Areas.

REQUIREMENTS FOR A MINOR

The purpose of this program is to provide professional training for those students majoring in other academic disciplines. The program requires a total of eighteen (18) semester hours in athletic administration and coaching.

Recommended Courses: AAC 303, 471, 409; elect three (3) hours from AAC 300, 370, 420, or 470.

Select from athletic administration and coaching courses to complete eighteen (18) hours.

SPECIALIZATION AREAS

In addition to the professional program (teaching and coaching), the professional program (non-teaching), and the minor program offered by the Department of Athletic Administration and Coaching, specialization areas are available to each student enrolled in the University. The areas of specialization are as follows:

Aquatics

The purpose of this program is to prepare students to meet American National Red Cross Water Safety Certification Requirements and the requirements as prescribed by the University of Southern Mississippi for certification in aquatic administration.

1. The Life Saving Rescue and Water Safety Certificate. Required course: AAC 362.
2. The Water Safety Instructors (WSI) Certificate. Required courses: AAC 362 (Prerequisite) and 460.
3. The Aquatic Administration Certificate. Required courses: AAC 360, 361, 362, and 460.

Athletic Training

The purpose of this program is to prepare students to meet certification requirements of the National Athletic Trainer Association.

Required courses: AAC 370, 371, 373, 409, 472, and 476; FN 360; HSE 101, 311, and 315; PED 301 and 402; PSY 110, and 800 clock hours of athletic training over a two-year period.

Minor Sports

The purpose of this program is to provide professional training for coaching in minor sports.

Required courses: AAC 340, 341, and 424; elect two (2) hours from AAC 322 or 323.

Officiating

The purpose of this program is to provide professional training in officiating competitive athletics. Required courses: AAC 240, 420, and 425.

ACTIVITY COURSES

The following courses may be taken to satisfy the University core physical education activity requirement.

AAC 210, 211, 212, 213, 214, 215, 362, and 460.

DEPARTMENT OF HEALTH AND SAFETY EDUCATION

S. Eugene Barnes, Chairman

M. Brown, Carlson, W. L. Carr

Switzer, Webb, Yarrow

The Department of Health and Safety Education offers a major in Health Education.

Health Education is an applied science which seeks to bridge the gap between the findings of health-related research and the application of the findings to the daily lives of those who engage its services. Its functions are based on scientific principles and its processes employ intellectual, psychological, and social dimensions as it attempts to increase the abilities of people to make informed decisions about matters which affect personal, family, and community well-being.

The department offers the following emphasis areas within the Health Education major.

Requirements for an Emphasis in Community Health Education

This program of studies is designed to prepare students for professional careers in health education positions in volunteer health agencies, special categorical health education programs, private agencies and industries, public health departments, and other governmental agencies and programs. The program requires study in foundations of health science, health education content areas, community organizations and groups, educational theory and methodology, and communications.

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
Biology 101	4
English 101, 102	6
Health and Safety Education 101	3
Journalism 102	3
Mathematics 101	3
Microbiology 101	4
Physical Education	2
Psychology 110	3
Speech Communication 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
Anthropology 212	3
Art 207	3
Biology 220, 221	8
Food and Nutrition 360	2
Health and Safety Education 210, 311, 321	9
Philosophy 253	3
Physical Education	1
Sociology 310 or 311	3
	32

JUNIOR YEAR	SEM. HRS.
English 300, 333	6
Environmental Science 301	3
Genetics 101	3
Health and Safety Education 315, 341, 414, 420, 422, 430, 435	21
Management 360	3
	36

SENIOR YEAR	SEM. HRS.
Adult Education 476	3
Health and Safety Education 409, 411, 412, 415, 421, 423, 492	21
Physical Education 402	3
Research and Foundations 416	3
Sociology 461	3
	33
TOTAL:	135

Requirements for an Emphasis in School Health Education

Teacher certification regulations in Mississippi, unlike those in most other states, do not provide for separate certification in health education. Mississippi's regulations require dual certification in health and physical education with a major block of course work in physical education and nine (9) semester hours in health education. It is the philosophy of the department that nine (9) hours of professional course work cannot provide one with the

competencies required to be an effective teacher. Therefore, an emphasis in school health education has been provided for students who wish to prepare more adequately than is required by certification standards to teach health education. Students who wish to pursue this emphasis as they prepare to become certified as health and physical education teachers may seek advisement in the Department of Health and Safety Education. It should be noted that the program plan for this emphasis will include semester hours of course work in excess of the minimum required for graduation. Students who wish to prepare to become school health educators in states where there is certification for health education can have developed for them a program plan with approximately forty five (45) semester hours of health education course work.

Requirements for Teacher Certification in Safety and Driver Education

This concentration of course work is designed for students who wish to complete the teacher certification requirements to teach driver education in Mississippi schools. Students who wish to pursue the certification are reminded that the twelve semester hours required for certification must be taken in addition to the course work required for the Standard Class A certificate in secondary education.

HSE 341, 420, 443, and one of the following courses:
AAC 370, CJ 200, 305, HSE 311, 441, 442, and 444

Requirements for American National Red Cross Certificates

The department offers the following certificates for the Red Cross:

First Aid

A student who successfully completes HSE 310 (First Aid) will receive the American National Red Cross certificates for:

a. Standard First Aid and Personal Safety
b. Standard Multi-Media First Aid
c. Cardiopulmonary Resuscitation (Optional--students who wish to receive this certificate must complete extra class assignments.)

First Aid Instructor

A student who successfully completes HSE 311 (Emergency Health Care) will receive American National Red Cross certificates for:

a. Advanced First Aid and Emergency Care
b. Standard Multi-Media First Aid
c. Instructor in Standard First Aid and Personal Safety
   (Note: The following three certificates are optional and will be awarded to students who successfully complete certain specific extra-class assignments.)
d. Cardiopulmonary Resuscitation
e. Instructor in Standard Multi-Media First Aid
f. Instructor in Cardiopulmonary Resuscitation

DEPARTMENT OF PHYSICAL EDUCATION

J. William Larson, Chairman
K. Bell, Buschner, Cooper, Cracraft,
D. Cundiff, L. Cundiff, Marciani,
J. Puckett, Slay, Townley

The Department of Physical Education administers three educational programs designed to meet the following objectives:

1. To prepare physical educators for careers of their choice other than teaching.

2. To prepare physical educators for teaching careers as elementary specialists, secondary specialists, or as corrective therapists.
3. To provide opportunities for the entire University community to develop skills for leisure time usage.

REQUIREMENTS FOR A MAJOR IN PHYSICAL EDUCATION WITHOUT TEACHER CERTIFICATION

This program is designed to train physical educators for careers which do not require state teacher certification. Career opportunities include: industrial health fitness directors, YMCA, YWCA, health spas, municipal recreation, etc.

Electives should be chosen with the aid of your adviser to insure concentrations of experience based upon your educational objectives and degree requirements.

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Humanities and Fine Arts (choose from the following areas: allied arts, foreign languages, history, literature, philosophy, and religion)	6
Mathematics	3
Physical Education (activity)	2
Science	6
Social Science (9 hours from the following areas with no more than 3 hours from any one area: anthropology, economics, geography, political science, psychology, and sociology	6
Speech Communication 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
Physical Education 100, 146, 147, 220, 303, 320	12
Social Science	3
Electives	18
	33

JUNIOR YEAR	SEM. HRS.
Health and Safety Education 315	3
Physical Education 301, 323, 401, 402	12
Electives	18
	33

SENIOR YEAR	SEM. HRS.
Physical Education 420	1-6
Electives	24-29
	30
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN PHYSICAL EDUCATION WITH TEACHER CERTIFICATION

This program is designed to train physical educators for public and private schools. In addition to meeting K-12 certification requirements in Mississippi, it is approved by NCATE.

With the aid of your adviser, additional in-depth emphases, such as physical education for the elementary, secondary, or handicapped may be added. Additional certification areas such as driver education, first aid, athletic training, and aquatics are available.

FRESHMAN YEAR	SEM. HRS.
Curriculum and Instruction—Secondary 422	3
English 101, 102	6
History 101 and 102 or 140 and 141	6
Mathematics	3
Physical Education (activity)	2
Science (biological science)	6
Social Science (elect 3 hours from two of the following areas: anthropology, economics, geography, political science, and sociology	6
	32

SOPHOMORE YEAR	SEM. HRS.
Curriculum and Instruction—Secondary 310	3
English (2 courses 200 level or above)	6
Health and Safety Education 101, 311	6
Humanities and Fine Arts (choose from art, dance, music, or theatre)	3
Physical Education (activity)	1
Physical Science	6
Psychology 110	3
Special Education 400	3
Speech Communication 111	3
	34

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372, 374	6
Health and Safety Education 315, 414, 430	9
Physical Education 100, 146, 147, 284, 301, 303, 320, 323	18
Research and Foundations 300	3
	36

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction—Secondary 313, 462, 491	15
Health and Safety Education 410	3
Physical Education 310, 314, 326, 401, 402, 420	14
Research and Foundation 469	3
	35
TOTAL:	137

REQUIREMENTS FOR A MAJOR IN PHYSICAL EDUCATION WITH CORRECTIVE THERAPY CERTIFICATION

This program is one of only 10 accredited corrective therapy programs in the nation. Career opportunities include: V.A. Centers, convalescent homes, athletic trainers, private practice in conjunction with a physician, etc.

Individuals desiring a major with Corrective Therapy Certification may choose between the non-teacher certification and the teacher certification programs listed above, with the following changes:

Non-Teacher Certification Plan

Deletions:	1) Health and Safety Education 315
Substitutions:	1) Science must be Biology 220 and 221
	2) Social Science-3 hours must be Psychology 110
Additions:	1) Health and Safety Education 3 hour elective in health problems
	2) Physical Education 220, 410, 411
	3) Psychology 426, 436
	4) Therapy 411, 421, 454, 461, 462, 463, 464, 471, 472, 473, 474

With Teaching Ceritification Plan

Deletions:	1) Health and Safety Education 315
Substitutions:	1) Biological Science must be Biology 220 and 221
Additions:	1) Physical Education 220, 410, 411
	2) Psychology 426, 436
	3) Therapy 411, 421, 454, 461, 462, 463, 464, 471, 472, 473, 474

After completing all course work on the University campus, the student will spend two semesters at the V.A. Centers in Biloxi and Gulfport, Mississippi, completing the applicable therapy courses. While there, room, meals, and uniforms will be provided.

With successful completion of the National Corrective Therapy Association Examination, the student will be certified as a Corrective Therapist.

THE UNIVERSITY PHYSICAL EDUCATION SERVICE PROGRAM

This program is designed to contribute to the general education of all students. In the 100-level activity courses students learn the basic skills of life-time sports and fitness which may be applied in the intramural program or during other times of leisure. The upper level service courses are designed to provide in-depth skill development in a particular area of interest.

Courses which may be substituted for the two (2) course physical education core requirements are Athletic Administration and Coaching 210, 211, 213, 214, 215, 362, or 460; Recreation 180, 182, 183, 184, 185, or 186; Theatre 105, 106, 150, 250.

DEPARTMENT OF RECREATION

L. Charles Burchell, Chairman

L. Brown, Bumgardner, Rindfleisch, Wilkes

The Department of Recreation offers programs in four areas of specialization. All programs require the completion of a series of department or inter-departmental courses and lead to a Bachelor of Science degree with a major in Recreation and concentration in the particular specialization.

Requirements for an Emphasis in Community and Municipal Recreation

This program provides a curriculum for students interested in career work as administrators, supervisors, or leaders with city and county recreation departments and youth-service organizations.

FRESHMAN YEAR	SEM. HRS.
Biology/Science	3
English 101, 102	6
Health & Safety Education 101	3
History or Philosophy	3
Mathematics	3
Recommended Elective	3
Recreation 200, 203 2 activities	8
Social Science	3
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100	3
Biology/Science	3
English 300	3
Health & Safety Education 311	3
Speech Communication 111	3
Recommended Elective	3
Recreation 210, 211, 322, 323, 2 activities	10
Sociology	3
	31

JUNIOR YEAR	SEM. HRS.
Accounting 201	3
English 333	3
Management 360	3
Political Science 310	3
Recommended Elective	3
Recreation 212, 402, 413, 415, 422, 426, 2 activities	16
	31

SENIOR YEAR	SEM. HRS.
Business Education 460	3
Recommended Electives	12
Recreation 424, 434, 443, 1 activity	10
Social Science	3
Sociology 444	3
	31

REC 403 Field Work (9 hrs. to be taken in the summer between the junior and senior years)

Requirements for an Emphasis in

Recreation Planning and Resource Management

This program provides a curriculum with concentration in the outdoor recreation planning and management aspects of parks and recreation. It has been designed for students who desire career recreation planning and/or management specialities. Such specialists work as park and recreation planners, park managers, park rangers, camp directors, and interpretors. Within this emphasis area there are three options; outdoor recreation, planning and management. Each option has separate requirements of twelve to fourteen hours from inter-departmental offerings.

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Health & Safety Education 101	3
History or Philosophy	3
Mathematics	3
Recommended Elective	3
Recreation 200, 203, 2 activities	8
Science/Biology	3
Social Sciences	3
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100	3
Biology/Science	3
English 300	3
Health & Safety Education 311	3
Speech Communication 111	3
Recommended Elective	3
Recreation 210, 211, 322, 323, 2 activities	10
Social Science	3
	31

JUNIOR YEAR	SEM. HRS.
English 333	3
Option Area Courses	9
Recommended Electives	6
Recreation 212, 402, 413, 447 2 activities	10
Social Science	3
	31

SENIOR YEAR	SEM. HRS.
Option Area Course	3
Recommended Electives	12
Recreation 415, 417, 434, 436, 441, 1 activity	16
	31

REC 403 Field Work (9 hrs. to be taken in the summer between the junior and senior years)

Requirements for an Emphasis in Therapeutic Recreation

This program provides a curriculum for students interested in working as recreational therapists in hospitals, mental and corrective institutions, rehabilitative centers, retirement villages, or in special education centers.

FRESHMAN YEAR	SEM. HRS.
Biology/Science	3
English 101, 102	6
Health & Safety Education 101	3
History or Philosophy	3
Mathematics	3
Recommended Elective	3
Recreation 200, 203, 2 activities	8
Social Science	3
	21

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100	3
Biology/Science	3
English 300	3
Health & Safety Education 311	3
Speech Communication 111	3
Recommended Electives	4
Recreation 210, 322, 323, 341 1 activity	12
	31

JUNIOR YEAR	SEM. HRS.
English 333	3
Social Science	6

SENIOR YEAR	SEM. HRS.
Physical Education 401, 404	6
Special Education 425, 428	6

Special Education 400, 440	6
Recreation 211, 350, 402, 410, 411, 413, 2 activities	16
	31
Recommended Electives	10
Recreation 212, 451, 452, 2 activities	9
	31

REC 403 Field Work (9 hrs. to be taken summer term following the senior year)

An Emphasis in Therapeutic Recreation with Teaching Certification which would provide a curriculum for students who desire teacher education and special education is available through special request and adviser counseling. These students will be prepared for teaching assignments in special education in public schools as well as therapeutic recreation in hospitals and insititutions.

Requirements for an Emphasis in Leisure Studies

This option is designed for students who wish to pursue a general recreation education with emphasis in the areas of contemporary leisure values and philosophies. Students in this program may not be required to complete the recreational fieldwork requirement, REC 403, but may option additional course work.

FRESHMAN YEAR	SEM. HRS.
Biology/Science	3
English 101, 102	6
Health & Safety Education 101	3
History	3
Mathematics	3
Social Science	3
Recommended Elective	3
Recreation 200, 203 2 activities	8
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100	3
Art Education 207	3
Biology/Science	3
English 300	3
Health & Safety Education 311	3
Psychology 110	3
Speech Communication 111	3
Recommended Elective	3
Recreation 210, 211, 322, 323, 2 activities	10
	34

JUNIOR YEAR	SEM. HRS.
English 333	3
Health & Safety Education 414	3
Philosophy 151, 233	6
Music 365	3
Recommended Elective	3
Recreation 212, 341, 342, 350, 402, 422, 2 activities	16
	34

SENIOR YEAR	SEM. HRS.
Health & Safety Education 435	3
Recommended Electives	14
Recreation 424, 432, 441, 443 2 activities	14
Social Science	3
	34

REC 403 Field Work (9 hrs. to be taken during the senior year when required)

DEPARTMENT OF INTRAMURAL-RECREATIONAL SPORTS

Louis Marciani, Chairman

Stephen Rey

The Department of Intramural-Recreational Sports in the School of Health, Physical Education, and Recreation provides the University population with a wide variety of leisure time activities.

The competitive intramural sports program offers over forty sports featuring team, dual, and individual competition. The program consists of the traditional flag football, basketball, and softball, to Co-Rec innertube water-polo, frisbee, and tube basketball. The

program is open to all male and female undergraduate and graduate students in residence halls, fraternities, sororities, and off-campus housing, as well as faculty and staff.

Numerous sports clubs are organized under the direction of this department. These clubs provide a program of instruction, recreation and/or competition. Some of the most popular clubs are Judo, Karate, Soccer, Women's Volleyball, and Softball.

Informal recreation offers members of the University community varied opportunities to participate in self-directional recreational activities. The staff assists individuals in meeting their leisure needs and interests, whether it be a quick swim at the Natatorium, a racquetball game, or a pickup badminton game.

A new dimension to the overall leisure needs provides opportunities for activities. An outdoor recreational rental center has been added offering such equipment as sleeping bags, canoes, and tents. In addition, several trips and seminars are planned for the coming year.

Lake Sehoy is a recreational area just 3½ miles northwest of the University of Southern Mississippi Campus. The 70 acre recreational facility is operated by the University Intramural-Recreational Sports Department and the Golf Course for the benefit of students, faculty, staff, and alumni, and guests of USM. The natural setting of Lake Sehoy offers a diversity of outdoor and waterfront activities.

SCHOOL OF HOME ECONOMICS
ACADEMIC OFFERINGS

DEPARTMENT	MAJOR Emphasis	DEGREE**
ENVIRONMENTAL DESIGN		
	CLOTHING MERCHANDISING*	BS
	CLOTHING AND TEXTILES*	BS
	INTERIOR DESIGN*	BS
FAMILY LIFE SERVICES		
	CHILD DEVELOPMENT*	BS
	HOME ECONOMICS IN EQUIPMENT*	BS
	MARRIAGE AND FAMILY LIVING*	BS
HOME ECONOMICS EDUCATION		
	HOME ECONOMICS EDUCATION*	BS
INSTITUTION ADMINISTRATION		
	DIETETICS	BS
	Coordinated Undergraduate Program	
	Traditional Program	
	FOOD AND NUTRITION*	BS
	HOTEL AND RESTAURANT ADMINISTRATION*	BS
	INSTITUTION MANAGEMENT	BS

*Minor Available
**Degree Abbreviations: (BS) Bachelor of Science

SCHOOL OF HOME ECONOMICS

Sarah L. Weaver Gibbs, Dean

PURPOSE

The curricula in the School of Home Economics are planned to place major emphasis on careers and on improving family life. Students are prepared to assume responsibilities in areas related to the various aspects of living concerned with the environment of the individual, the family, and the community.

ORGANIZATION

The School of Home Economics is divided into four departments: Environmental Design, Family Life Services, Institution Administration, and Home Economics Education.

Students majoring in any area of Home Economics should follow the program outlined in their area of study.

OFFERINGS FOR NON-MAJORS

Courses may be selected for electives. Non-majors may take courses without taking the prerequisites with permission of the instructor.

DEPARTMENT OF ENVIRONMENTAL DESIGN

Sue Sharp, Acting Chairman

Easterling, E. Davis, Donnell, A. Stamper

Three majors are currently offered in the Department of Environmental Design. They are clothing and textiles, clothing merchandising, and interior design. The department also serves the clothing, textiles, and design needs of other majors in the School of Home Economics and provides elective courses for non-majors.

Each curriculum offers information and experiences that encourage students to develop their individual creative abilities in addition to developing strong professional ideals.

CLOTHING AND TEXTILES

Clothing and textiles majors find positions mainly through work with textile, fabric, and pattern companies, consumer education jobs with manufacturers, and in writing for magazines, newspapers, radio, and television, depending upon the specialized preparation and interest of the individual student. An adviser helps students select background courses for specialized areas. Some students pursue graduate work.

REQUIREMENTS FOR A MAJOR IN CLOTHING AND TEXTILES

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
Art 111 or 207	3	Clothing and Textiles 330. 332	6
Chemistry 101, 102	6	Courses for Minor	3
Clothing and Textiles 131	3	Economics 255, 256	6
English 101, 102	6	General Business Admins. 295	3
History 101, 102	6	Journalism 102	3
Mathematics 101	3	Marriage & Family Life 150	2
Political Science 101	3		

Speech Communication 111	3
	33

Physical Education	2
Psychology 110	3
Sociology 101	3
Elective	1
	32

JUNIOR YEAR	SEM. HRS.
Clothing and Textiles 332, 333, 335, 431, 434 or EVD 331	15
Courses for Minor	9
Humanities 315	3
Elective	6
	33

SENIOR YEAR	SEM. HRS.
Clothing and Textiles 328 or 435, 430 or 432, 433, 437	11-12
Courses for Minor	9
Home Economics Education 478	1
Electives	8
	29-30
TOTAL:	128

REQUIREMENTS FOR A MINOR IN CLOTHING AND TEXTILES

All students pursuing a minor in this area must complete twenty-one (21) semester hours of clothing and textiles courses. Suggested courses to meet this requirement are as follows:

	Hours
Clothing and Textiles 131, 330, 332, 333, 335, 431, 433	21

CLOTHING MERCHANDISING

The clothing merchandising curriculum provides basic courses in clothing, textiles, economics, business, marketing, and field experience. With this background, graduates are prepared to move into executive training programs offered by large department stores throughout the country. Such training programs lead into positions as buyers, training supervisors, fashion coordinators, comparison shoppers, radio and television script writers, and numerous jobs involving some aspect of retailing.

REQUIREMENTS FOR A MAJOR IN CLOTHING MERCHANDISING

FRESHMAN YEAR	SEM. HRS.
Art 111	3
Clothing and Textiles 131	3
English 101, 102	6
Fundamentals of Science 104	3
History 101, 102	6
Mathematics 101	3
Physical Education	2
Psychology 110	3
Sociology 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Accounting 201	3
Applied Psychology 251	3
Clothing and Textiles 221	3
Economics	6
Fundamentals of Science 105	3
Journalism	3
Marketing 300	3
Political Science 101	3
Social Competencies 150	2
Speech Communication 111	3
	32

JUNIOR YEAR	SEM. HRS.
Clothing and Textiles 328, 330, 332, 335, 337	14
Management 360	3
Marketing 330, 342, 355, elec	12
Elective	6
	35

SENIOR YEAR	SEM. HRS.
Clothing and Textiles 435, 436, 437, 439, 492	16
Marketing 442, elec	6
Home Economics Education 478	1
Electives	6
	29
TOTAL:	128

REQUIREMENTS FOR A MINOR IN CLOTHING MERCHANDISING

All students pursuing a minor in this area must complete twenty-six (26) semester hours. Suggested courses to meet this requirement are as follows:

Clothing and Textiles 131, 328, 330, 337, 435, 436 17
Marketing 300, 330, 342 9

INTERIOR DESIGN

The interior design program is for the student planning a professional career designing interior spaces within the human environment. It is an interdisciplinary approach derived for the professional needs and responsibilities of the interior designer. The curriculum contains courses in applied design (EVD) as well as related disciplines.

Career opportunities exist in the following areas: architectural and industrial designing firms, department and furniture stores, furniture and textile manufacturing companies, hotel and restaurant chains, antique dealers, self-employment, etc.

REQUIREMENTS FOR A MAJOR IN INTERIOR DESIGN

FRESHMAN YEAR	SEM. HRS.
Architectural Technology 132	3
Drawing 101, 102	6
English 101, 102	6
Environmental Design 140, 240	6
Fundamentals of Science	6
History 101, 102	6
Mathematics 101	3
	36

SOPHOMORE YEAR	SEM. HRS.
Art History 334	3
Clothing and Textiles 330	3
Design 111, 112	6
Environmental Design 241, 332	6
Housing & Home Management 339, 341	6
Political Science 101	3
Psychology 110	3
Sociology 101	3
Speech Communication 111	3
	36

JUNIOR YEAR	SEM. HRS.
Art 301	3
Art History 335	3
Clothing & Textiles 434	3
Environmental Design 331, 340, 440, 441	12
Housing & Home Management 342, 343	6
Marketing 330, 365	6
Marriage & Family Life 150	2
Physical Education	2
	36

SENIOR YEAR	SEM. HRS.
Environmental Design 342, 442	9
Marketing 342	3
Home Economics Education 478	1
Electives	7
	20
TOTAL:	128

DEPARTMENT OF FAMILY LIFE SERVICES

Altra H. Hamman, Chairman

Coghill, Dickerson, Lancaster, Rogers, Tuggle

The Department of Family Life Services offers the Bachelor of Science degree in Child Development with Nursery-Kindergarten Teacher Certification; Home Economics in Equipment; and Marriage and Family Living. A two-year course in child development which leads to a certificate is offered for Child Care Center directors and teachers.

NURSERY SCHOOL

The University Nursery School was established in 1929 as a unit within the School of Home Economics to provide a laboratory in which students might observe the development and relationships of a group of normal, healthy, young children and participate in directing the various nursery school activities. The school accommodates children between the ages of three and five years. It operates on a half-day schedule from 8:30 to 11:45 in the morning, five days a week, throughout the year.

The daily program is planned to create an environment rich in possibilities for developing the child's mental, physical, and social self as well as attaining a greater degree of emotional maturity. The enrollment is made up of an equal number of boys and girls in the various age groups from town, faculty, and student families.

The Nursery School, which was the first to be established in Mississippi, is located on the first floor of the Home Economics Building. It has ample space indoors and a large porch and fenced-in play area outdoors. In both space and equipment it meets high standards. The climate permits outdoor play the year round. Requests for registration must be filed with the Director of the Nursery School well in advance of the time the child is to be enrolled. Any child who meets the age and development requirements may qualify.

INFANT DEVELOPMENT CENTER

The Infant Development Center, the newest child development laboratory, provides learning experiences in observation and participation with children less than three years of age. Students are able to observe and to work with two-year-olds in a morning play group and to care for infants who are given all day care. This Center increases the opportunities for home economics majors to observe, study, and participate with children from infancy through preschool years. The child development program enriches the home economics major by providing learning experiences that develop competencies in understanding infants and young children.

CHILD DEVELOPMENT

REQUIREMENTS FOR MAJOR IN CHILD DEVELOPMENT

(N-K Emphasis)

FRESHMAN YEAR	SEM. HRS.
Art Education 207	3
English 101, 102	6
Food and Nutrition 163	3
Fundamentals of Science 131, 133	6
Health and Safety Education 101	3
History 101, 102 or 140, 141	6
Physical Education elective	2
Speech Communication 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
Art Education 309	3
Child Development 350, 351	6
Food and Nutrition 261	3
Fundamentals of Science 132 or 134	3
Health and Safety Education 310	2
Marriage and Family Living 150	2
Mathematics 210	3
Psychology 110	3
Social Science elective	6
	31

JUNIOR YEAR	SEM. HRS.
Child Development 450, 451, 452	9
Curriculum and Instruction: Elementary Education 317	3
Educational Psychology 370	3

SENIOR YEAR	SEM. HRS.
Child Development 453, 454, 455	10
Curriculum and Instruction: Elementary Education 301, 403, 422	12

Food and Nutrition 363	3
Home Economics Education 478	1
Housing and Home Management 345 442, 443	10
Marriage and Family Living 351	3
	32
Electives	2
English 301	3
Mathematics 310	3
Music Education 361	3
	33
TOTAL:	128

REQUIREMENTS FOR A MINOR IN CHILD DEVELOPMENT

All students pursuing a minor in this area must complete eighteen (18) semester hours in Child Development. Suggested courses to meet this requirement are as follows:

	Hours
Child Development 350, 351, 450, 451, 452, 453	18

TWO-YEAR CERTIFICATE COURSE IN CHILD DEVELOPMENT

FRESHMAN YEAR	SEM. HRS.
Art Education 207	3
Child Development 350, 351	6
English 101	3
Food and Nutrition 363	3
Fundamentals of Science 131	3
Health and Safety Education 101	3
Mathematics 210	3
Psychology 110	3
Sociology 101	3
Speech Communication 111	3
	33

SOPHOMORE YEAR	SEM. HRS.
Child Development 450, 451, 452, 453	12
Curriculum and Instruction: Elementary Education 317, 403	6
Educational Psychology 370	3
English 102	3
Health and Safety Education 310	2
Marriage and Family Living 150, 351	5
	31
TOTAL:	64

HOUSING AND HOME MANAGEMENT

The increasing opportunities for home economists in business with utility companies and manufacturers of equipment for the home have created many positions for those with the necessary educational background. The major, Home Economics in Equipment, is designed for those preparing for such careers.

HOME ECONOMICS IN EQUIPMENT

REQUIREMENTS FOR A MAJOR IN HOME ECONOMICS IN EQUIPMENT

FRESHMAN YEAR	SEM. HRS.
Art Education 207	3
Biology 101	4
Clothing and Textiles 131	3
English 101, 102	6
Food and Nutrition 163	3
History 101, 102 or 140, 141	6
Mathematics 120 or 101	3
Physical Education elective	2
Speech Communication 111	3
	33

SOPHOMORE YEAR	SEM. HRS.
Child Development 350	3
Clothing and Textiles 332	3
Elective	3
Food and Nutrition 261	3
Marriage and Family Living 150	3
Microbiology 261	4
Psychology 110	3
Political Science 101	3
Radio-Television-Film 271	3
Sociology 101	3
Speech Communication 210	3
	33

JUNIOR YEAR	SEM. HRS.
Clothing and Textiles 330 or 334, 431	6
Elective	3
Food and Nutrition 362	3
Home Economics Education 301, 302	6
Housing and Home Management 345 401	6
Institution Administration 370	3
Marriage and Family Living 351	3
Marketing 330	3
	32

SENIOR YEAR	SEM. HRS.
Elective	3
Food and Nutrition 430	3
Home Economics Education 402, 478	5
Housing and Home Management 340, 441, 442, 443	19
	30
TOTAL:	128

MARRIAGE AND FAMILY LIFE

Marriage today is becoming widely recognized as the most important vocation for which young people can prepare.

The objectives of the marriage and family life curriculum are two-fold: first, to assist college students to grow into intelligent, effective, and satisfying family members in their own homes; and second, to prepare them for a career of service in working with families, youth, and the elderly.

MARRIAGE AND FAMILY LIVING

REQUIREMENTS FOR A MAJOR IN MARRIAGE AND FAMILY LIVING

FRESHMAN YEAR	SEM. HRS.
Biology 101, 102 or Microbiology 261	8
English 101, 102	6
Food and Nutrition 163	3
History 101, 102 or 140, 141	6
Mathematics 120 or 101	3
Physical Education elective	2
Political Science 101	3
Sociology 101	3
	34

SOPHOMORE YEAR	SEM. HRS.
Art Education 207	3
Child Development 350	3
Food and Nutrition 261, 362	6
Health and Safety Education 310	2
Marriage and Family Living 150, 151	5
Psychology 110	3
Speech Communication 111	3
Sociology 230, 240	6
	31

JUNIOR YEAR	SEM. HRS.
Child Development 451	3
Educational Psychology 372	3
Finance 320	3
Home Economics Education 302, 478	4
Housing and Home Management 340	3
Marriage and Family Living 351, 451	6
Sociology 314, 330, 331	9
	31

SENIOR YEAR	SEM. HRS.
Elective	2
Health and Safety Education 422, 430	6
Marriage and Family Living 452, 490	12
Psychology 456	3
Sociology 424, 444, 450	9
	32
TOTAL:	128

REQUIREMENTS FOR A MINOR IN MARRIAGE AND FAMILY LIVING

All students pursuing a minor in this area must complete twenty (20) hours in marriage and family and child development courses. Suggested courses to meet this requirement are as follows:

	Hours
Marriage and Family Life 150, 151, 351, 451, 452	14
Child Development 350, 451	6
	20

DEPARTMENT OF INSTITUTION ADMINISTRATION

(FOOD AND NUTRITION)
(HOTEL AND RESTAURANT ADMINISTRATION)

Margaret McCarthy, Chairman

Adler, Boudreaux, Broome, Gibbs, Landry, Wilgus

This area provides courses in foods, nutrition, institution administration, dietetics, and hotel and restaurant administration for undergraduate and graduate students. Some of the basic courses may be elected by non-majors from other schools of the University or by those selecting minors in food and nutrition or institution management.

Students selecting Institution Administration as a major can prepare for positions in public health, extension, research, journalism, commerical organizations, dietitians in hospitals, government services, clinics or consultants in restaurants, hotels, motels, country clubs, school food service, industry, and related fields depending upon their minor.

The Coordinated Undergraduate Program includes experience in the last two years of the program. Upon completion of degree, the student is eligible to take the registration examination for registered dietitians.

The Institution Management-Dietetics curriculum meets the academic requirements for membership in the American Dietetic Association and qualifies the student for an internship approved by the association. Institution Management and Food and Nutrition curriculas may also lead to meeting academic requirements in the American Dietetic Association.

Hotel and Restaurant Administration curriculum prepares students for positions in the travel and hospitality industry, college and university food service, clubs and in related businesses.

A two-year certificate course is available for school lunch managers. The School of Home Economics in cooperation with the State Department of Education sponsors an annual School Lunch Managers Workshop.

CHARCOAL ROOM

The Charcoal Room is a modern academic laboratory for Institution Management majors. The Charcoal Room is in the University Commons which is centrally located on the campus.

The facility provides good food of high quality in attractive surroundings for congenial association of faculty members, staff, and graduate students with their collegues, guests, and families. It also offers an excellent stimulating experience and training center for Institution Management majors under the guidance of the institution management faculty.

DIETETICS

Suggested minors are: for food and nutrition majors—chemistry or journalism; for institution management-dietetics majors—chemistry, general science, or health; and for institution management majors—chemistry, marketing, accounting, biology, economics, art, or management.

REQUIREMENTS FOR A MAJOR IN DIETETICS

FRESHMAN YEAR	SEM. HRS.
Biology 101	4
Chemistry 101	4
English 101, 102	6
Food and Nutrition 163, 261	6
History 101, 102	6
Mathematics 101	3
Physical Education	2
Psychology 110	3
	34

SOPHOMORE YEAR	SEM. HRS.
Accounting 201	3
Biology 220, 221	8
Chemistry 251, 321	8
Economics 255	3
Food and Nutrition 260 or 362	3
Microbiology 261	4
Sociology 101	3
Speech Communication 111	3
	35

COORDINATED UNDERGRADUATE PROGRAM IN DIETETICS
DEVELOPMENTAL ACCREDITATION

JUNIOR YEAR	SEM. HRS.
Economics 301	3
Food and Nutrition 265, 365, 463	11
Home Economics Education 301	3
Institution Administration 473, 475	12
Management 360	3
	32

SENIOR YEAR	SEM. HRS.
English 332	3
Food and Nutrition 460, 464, 465, 466, 492	30
	33
TOTAL	134

TRADITIONAL PROGRAM

JUNIOR YEAR	SEM. HRS.
Economics 301	3
English 332	3
Food and Nutrition 430	3
Home Economics Education 301	3
Institution Administration 370, 471, 472, 476	13
Management 360	3
Electives	3
	31

SENIOR YEAR	SEM. HRS.
Food and Nutrition 460, 461	6
Home Economics Education 478	1
Institution Administration 470, 474	6
Management 364	3
Electives	12
	28
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN INSTITUTION MANAGEMENT

FRESHMAN YEAR	SEM. HRS.
Biology 101	4
Chemistry 101	4
English 101, 102	6
Food and Nutrition 163, 261	6
History 101, 102	6
Mathematics 101	3
Physical Education	2
	31

SOPHOMORE YEAR	SEM. HRS.
Chemistry 251, 321	8
Computer Science and Statistics 100	3
Food and Nutrition 362	3
General Business Administration 100	3
Microbiology 261	4
Political Science 101	3
Psychology 110	3
Sociology 101	3
Speech Communication 111	3
	33

JUNIOR YEAR	SEM. HRS.
Accounting 201	3
Allied Arts 100	3
Economics 255	3
Home Economics Education 301	3
Institution Administration 370, 472, 476	10
Management 360	3
Electives	6
	31

SENIOR YEAR	SEM. HRS.
Food and Nutrition 430, 460	6
Home Economics Education 478	1
Institution Administration 460, 471, 474	9
Management 364, 454	6
Marketing 300	3
Electives	8
	33
TOTAL:	128

REQUIREMENTS FOR A MINOR IN INSTITUTION MANAGEMENT

All students pursuing a minor in this area must complete twenty (20) semester hours in food and nutrition and institution administration courses. Suggested courses to meet this requirement are as follows:

	Hours
Food and Nutrition 163, 261, 362, 460	12
Institution Administration 472, 476	8

REQUIREMENTS FOR A MAJOR IN FOOD AND NUTRITION

FRESHMAN YEAR	SEM. HRS.
Biology 101	4
Chemistry 101, 102	8
English 101, 102	6
Food and Nutrition 163	3
History 101, 102	6
Mathematics 101	3
Physical Education	2
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100	3
Chemistry 251, 252	8
Food and Nutrition 261, 362	6
Marriage and Family Life 150	2
Political Science 101	3
Psychology 110	3
Sociology 101	3
Speech Communication 111	3
	31

JUNIOR YEAR	SEM. HRS.
Chemistry 321	4
Child Development 350	3
Economics 256	3
Food and Nutrition 430	3
Home Economics 301	3
Institution Administration 370	2
Marriage and Family Life 351	3
Microbiology 261	4
Minor Requirements	9
	34

SENIOR YEAR	SEM. HRS.
Food and Nutrition 460, 461	6
Health and Safety Education 101	3
Home Economics Education 478	1
Housing and Home Management 345	3
Minor Requirements	12
Electives	6
	31
TOTAL:	128

REQUIREMENTS FOR A MINOR IN FOOD AND NUTRITION

All students pursuing a minor in this area must complete twenty (20) semester hours of food and nutrition and institution administration courses. Suggested courses to meet this requirement are as follows:

	Hours
Food and Nutrition 163, 261, 362, 430, 460, 461	18
Institution Administration 370	2

REQUIREMENTS FOR A MAJOR IN HOTEL AND RESTAURANT ADMINISTRATION

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
Biology 101	4
English 101, 102	6
History 101, 102	6
Hotel and Restaurant Administration 179	3
Mathematics 101	3
Physical Education	2
Sociology 101	3
	30

SOPHOMORE YEAR	SEM. HRS.
Accounting 201, 202	6
Computer Science 100	3
Institution Administration 272, 273	6
Management 360	3
Microbiology 261	3
Physics 110	3
Political Science 101	3
Speech Communication 111	3
Psychology 110	3
	33

JUNIOR YEAR	SEM. HRS.
Economics 256	3
Food and Nutrition	2
Hotel and Restaurant Administration 475, 476	6
Institution Administration 471, 472, 476	11
Management 364, 454	6
Marketing 330	3
Electives	2
	33

SENIOR YEAR	SEM. HRS.
Hotel andRestaurant Administration 479, 480, 481, 482	18
InstitutionAdministration 474	3
Management 472	3
Electives	8
	32
TOTAL:	128

A minimum of 400 hours of employment in hotel, motel or foodservice is required.

REQUIREMENTS FOR A MINOR IN HOTEL AND RESTAURANT ADMINISTRATION

All students pursuing a minor in this area must complete twenty-two (22) semester hours in Hotel and Restaurant Administration and Institution Administration courses. Suggested courses to meet this requirement are as follows:

	Hours
Hotel and Restaurant Administration 179, 475, 476, 480, 481, 482	18
Institution Administration 472	4

TWO-YEAR CERTIFICATE COURSE

FRESHMAN YEAR	SEM. HRS.
Economics 100	3
English 101, 102	6
Food and Nutrition 163, 261	6
History 101	3
Health and Safety Education 101	3
Institution Administration 271, 272	6
Mathematics 199	3
Electives	3
	33

SOPHOMORE YEAR	SEM. HRS.
Biology 101	4
English 221	3
Food and Nutrition 362	3
Health and Safety Education 310	2
Institution Administration 273	3
Psychology 110	3
Electives	13
	31
TOTAL:	64

DEPARTMENT OF HOME ECONOMICS EDUCATION

Mary E. Faulkinberry, Chairman
G. Bryant, Milner

The Home Economics Education curriculum includes the requirements for teacher certification as set by the Mississippi State Department of Vocational Educational and qualifies graduates to teach in secondary schools under the requirements of the Federal Vocational Acts. Graduates are prepared to take places in the professional and business communities as teachers of home economics, home service directors for utility and manufacturing companies, home economist with the Cooperative Extension Service as well as employees in other agencies concerned with consumer and homemaking education.

REQUIREMENTS FOR A MAJOR IN VOCATIONAL HOME ECONOMICS

All students pursuing a major in Home Economics Education must complete the following reuqirements. A suggested sequence has been made but may vary according to individual needs.

FRESHMAN YEAR	SEM. HRS.
Art Education 207	3
Clothing and Textiles 131	3
English 101, 102	6
Food and Nutrition 163	3
Fundamentals of Science 104 or 105, or Chemistry 101	3
History 101, 102 or 140, 141	6
Marriage and Family Life 150	2
Math 101 or 120	3
Physical Education	2
	31

SOPHOMORE YEAR	SEM. HRS.
Clothing and Textiles 330	3
Educational Psychology 372	3
English 203 or 300 or 301	3
Food and Nutrition 261	3
Fundamentals of Science 106 or 107, or Microbiology 261	3
Health 101	3
Home Economics Education 478	1
Political Science 101	3
Psychology 110	3
Science or Mathematics (elective)	3
Sociology 101	3
Speech Communication 111	3
	34

JUNIOR YEAR	SEM. HRS.
Child Development 350	3
Curriculum and Instruction-Secondary 310	3
Educational Psychology 374	3
Food and Nutrition 362	3
Home Economics Education 301, 302	6
Housing and Home Management 340, 345, 442, 443	13
Marriage and Family Life 351 or 451	3
	34

SENIOR YEAR	SEM. HRS.
Clothing and Textiles 333	3
Curriculum and Instruction-Secondary 313, 422	6
English 332 or 333	3
Home Economics Education 402, 403	13
Research and Foundations 469	3
Special Education 400	3
	31
TOTAL:	130

HONORS COLLEGE

Wallace G. Kay, Dean

Richard H. Bowers, Associate Director

Conklin, Koeppel, R. Moorman, Pessoney, P. Prenshaw, Tharpe, J. Thrash, Ward, Zaninelli

The Honors College was established July 1, 1976, as an expansion and reorganization of the former Honors Center. The purpose of the Honors College is to provide superior students with a broadly-based, humanistic undergraduate education; to give a proper setting and perspective to their more specialized studies, and to challenge them to their best efforts. Its aim is to identify, encourage, and reward academic excellence in all fields and to serve students with widely varying academic interests, awarding degrees **cum laude, magna cum laude,** and **summa cum laude.**

To enter the College as freshmen, students compete with other applicants on the basis of five criteria; high school grades, scores on the American College Test, detailed ratings by two high school teachers and the principal or guidance counselor, a personal interview with Honors Council representatives, and an extemporaneous essay. Entrance after the first semester of the freshman year requires a minimum quality point average of 3.0 and a letter of recommendation from one college instructor.

Students are in good standing in the College as long as they maintain a 3.0 overall average. Entering freshmen have two semesters to achieve a 3.0 average; students whose averages fall below 3.0 are suspended from the College until such time as their averages again reach 3.0. However, students whose averages fall below 3.0 but are above 2.91 are given one semester's probation; they may continue in the College for one semester but must raise their averages to 3.0 or be suspended following that semester.

Honors College students will not be required to fulfill the course requirements of the University Core curriculum, though its general educational purposes will certainly be met by the Honors College requirements.

Students wishing to graduate through the Honors College will normally meet the requirements listed below, though students entering the Honors College after the first semester of their freshman year may be permitted some substitutions.

TYPICAL FOUR-YEAR SCHEDULE FOR MEETING HONORS REQUIREMENTS

FRESHMAN YEAR	SEM. HRS.
Honors 111, 112	6
Honors 121, 122	2
Honors 131	3
Honors 321, 322*	2
	13

SOPHOMORE YEAR	SEM. HRS.
Honors 211, 212,	6
Honors 221, 222	4
Honors 231	3
Honors 321, 322*	2
	15

JUNIOR YEAR	SEM. HRS.
Honors 301, 303	4
Honors 302, 401, or 402	1
	5

SENIOR YEAR	SEM. HRS.
Honors 403**, 490***	6
Honors 302, 401, or 402	1
Honors 492	1-3
	8-10

*A total of four (4) hours in Honors 321 and 322 is required. The four (4) hours may be spread over four (4) years.

**May be taken junior or senior year.

***Must be taken during final semester.

In addition to the above, all Honors students must take six to twelve (6-12) hours, depending on placement, of a foreign language, which may be started as late as Year III; nine (9) hours of science, at least one course of which must be a laboratory course; three (3) hours of mathematics (College Algebra or higher, preferably calculus), and two (2) hours of PE, Band, or ROTC. Honors students must meet only these requirements plus those of the major and minor which will be selected in any college or school in the University.

Total Honors Core Requirements 61-69

In addition to the course requirements listed above, Honors students must pass comprehensive examinations in their major fields.

The Senior Honors Project involves two phases, the prospectus and the project itself. The prospectus must be presented nine months prior to graduation; guidelines for the prospectus may be obtained from the Honors College Office. The exact nature of the project itself is a matter for decision in discussion between the student and the proper representatives of his major department. However, certain general guidelines should be observed, as follows: the project should reflect significant individual effort which may involve library research, laboratory research, or field research. The project should conform to accepted scholarly procedure within the discipline of the major field. The project may be creative, as opposed to derivative, at the discretion of the department chairman involved and subject to the specific approval of the Dean of the Honors College; however, a creative project must be executed within the framework of accepted scholarly procedure. That is, a student who produces a creative effort should introduce that effort by adequate discussion of the nature of the creative form involved, including an indication of familiarity with other examples of that form. The project must be done in the area of the student's major unless specific approval is given by the Honors Council for a project in the area of his minor. A joint project by two or more students is permissible if specifically approved by the appropriate department chairman and by the Dean of the Honors College. Any doubts as to the validity of a proposed project should be resolved in discussion among the project director, the appropriate chairman, and the Honors Dean. Directions for the format of the senior project may be secured from the Honors College Office.

The comprehensive examination must be taken no later than four weeks before the student is scheduled to graduate. The examination may be either written or oral, at the option of the major department. The exact nature of the examination is a matter for decision by the department involved, but there are general guidelines:

(1) The examination should be designed so that it can be completed in a maximum of three hours.
(2) The examination should test the candidate's general knowledge of the field of his major rather than specialized information about some particular aspect of his major.
(3) The examination should be uniform for all candidates within a particular semester.
(4) It is the responsibility of the student to contact the department chairman and request that the comprehensive examination be designed and administered. These arrangements should be made one semester in advance.

Graduation Recognition

Honors graduates receive the distinction, written upon their diplomas, of being Honors College Graduates in the departments of their majors. If their academic average is high enough, they also receive the distinction of **summa cum laude** (3.8 overall average), **magna cum laude** (3.5 overall average), or **cum laude** (3.25 overall average).

Financial Assistance

Students enrolled in the Honors College may apply for financial aid through the Office of Financial Aid on the same basis as any other student. Two types of scholarships available only to Honors students are listed below.

(1) **Presidential Scholars:** Each year, the President of the University will select four freshmen to be Presidential Scholars. These students must have been accepted by the Honors College, so they will follow admission procedures for Honors except that they will have a final interview with the President of the University. Applicants are expected to have

superior ACT scores and high school grade point averages; they are also expected to have proven leadership ability.

Presidential scholarships are underwritten by the Alumni Association and are in the amount of $8480, payable in $1060 increments at registration each semester until graduation.

(2) **University Scholars:** Each year, up to forty-six freshmen will be designated University Scholars. These students must have been accepted by the Honors College, so they will follow admission procedures for Honors except that they may have a final interview with the Vice-President for Academic Affairs. Applicants must have ACT scores of 28 or above and high school grade point averages of 3.5 or better.

University scholarships are in the amount of $1400 and are payable in $175 increments at registration each semester until graduation.

THE UNIVERSITY PROGRAM SERIES

The University Forum

Each semester, programs will be offered combining presentations in humanities, in science, and in social science. The one-hour, pass-fail courses feature such things as nationally known speakers, outstanding films, panels, and other enrichment programs. This series is open to all students of the University and may be repeated for up to eight (8) hours credit. See course descriptions for HON 321, 322.

THE HUMANITIES PROGRAM

The Honors College offers a minor in humanities as outlined below. This minor is open both to Honors students and to general students. Particularly designed for the student who plans a career in college teaching, the humanities minor is a combination of culturally-oriented courses from the classics, literature, science, social science, art, and music. The requirements for a minor are as follows:

A. One course from each of the following groups:

	Hours
HUM 210, 316 (Science)	3
HUM 310, 313 (Classics)	3
HUM 314, 315 (Art and Music)	3
HUM 380, 382 (Social Science)	3
HUM 410, 412 (Western Literature)	3
B. Foreign Language (for Honors College students 300 level or above)	6
Total	21

TUTORIAL OPTION FOR MAJOR FIELD

An Honors student may elect to define a major through tutorial studies, subject to the availability of faculty tutors and the specific approval of both the department chairman involved and the Dean of the Honors College. The tutorial option will normally involve a full academic year of continous concentrated study in the major area.

COLLEGE OF LIBERAL ARTS
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree****
COMMUNICATION (DIVISION)			
	COMMUNICATION*		BA, BS
CRIMINAL JUSTICE			
	CRIMINAL JUSTICE*		BA, BS
ENGLISH			
	ENGLISH*		BA, BS
		Teaching English to Speakers of Other Languages	
	LINGUISTICS*		BA
FOREIGN LANGUAGE			
	CLASSICS*		BA, BS
	FRENCH*		BA, BS
	GERMAN*		BA, BS
	SPANISH*		BA, BS
GEOGRAPHY AND AREA DEVELOPMENT			
	COMMUNITY AND REGIONAL PLANNING*		BS
		Urban and Transportation Planning	
		Environmental Planning	
	ECONOMICS*		BA
	GEOGRAPHY*		BA, BS
HISTORY			
	AMERICAN STUDIES*		BA, BS
	HISTORY*		BA, BS
	LATIN AMERICAN STUDIES*		BA, BS
		Latin American Trade and Finance	
	SOCIAL STUDIES*		BA, BS
JOURNALISM			
	ADVERTISING*		BA, BS
	JOURNALISM*		BA, BS
		Journalism Education	
		News-Editorial	
		Photojournalism	
		Public Relations	
PHILOSOPHY AND RELIGION			
	PHILOSOPHY*		BA, BS
	PHILOSOPHY AND RELIGION*		BA, BS
POLITICAL SCIENCE			
	PARALEGAL STUDIES*		BA, BS
	POLITICAL SCIENCE*		BA, BS
	(PRE-LAW)**		

RADIO, TELEVISION, AND FILM	
RADIO, TELEVISION, AND FILM	BA, BS
Broadcast Journalism	
Broadcast Management and Sales	
Film	
Radio-Television Production	
SOCIOLOGY AND ANTHROPOLOGY	
ANTHROPOLOGY*	BA, BS
ASIAN STUDIES***	
SOCIOLOGY*	BA, BS
SPEECH AND HEARING SCIENCES	
AUDIOLOGY*	BA, BS
EDUCATION OF THE DEAF*	BA, BS
LANGUAGE DISORDERS*	BA, BS
SPEECH PATHOLOGY*	BA, BS
SPEECH COMMUNICATION	
SPEECH COMMUNICATION*	BA, BS

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*Minor Available

**This program does not lead to a degree. Students completing pre-professional programs will select an academic major with an emphasis in the appropriate pre-professional area.

***Minor Only Available

****Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

COLLEGE OF LIBERAL ARTS

James H. Sims, Dean

Glenn T. Harper, Assistant Dean

The College of Liberal Arts provides a broad cultural and educational experience to help students acquire the means of making self-education the rewarding enterprise of a lifetime as well as to guide them in their preparation to serve both society and their own self-interests productively and responsibly. Students are encouraged to widen their interests, to develop mature habits of observation and reading in the major areas of man's cultural heritage, and to learn to think logically, communicate effectively, and judge wisely. Traditional disciplines offer studies towards majors and minors, some interdisciplinary programs are available, and some departments offer postbaccalaureate degrees. For information concerning the latter, see the **Graduate Bulletin.**

The College of Liberal Arts is organized into fourteen departments: Aerospace Studies, Criminal Justice, English, Foreign Languages, Geography and Area Development, History, Journalism, Military Science, Philosophy and Religion, Political Science, Radio, Television, and Film, Sociology and Anthropology, Speech and Hearing Sciences, and Speech Communication. The Departments of Aerospace Studies and Military Science have no academic major or minor. Other departments offer both majors and minors.

Listed below are the common requirements for both the Bachelor of Arts and Bachelor of Science degrees. The suggested sequence may be modified to meet a student's specific program and schedule needs. A student entering the College of Liberal Arts will be assigned to the appropriate department chairman for academic advisement.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN THE COLLEGE OF LIBERAL ARTS

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements.)	6
Foreign Language	6
History (101 and 102 or 140 and 141 are recommended.)	6
Mathematics (101 or 120 is recommended.)	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
Science	6
	29

JUNIOR YEAR	SEM. HRS.
English 332, 333, or 334	3

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended.)	6
Foreign Language (Fewer hours may suffice, but a course at intermediate level II must be completed; see Foreign Languages course descriptions.)	6
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, speech communication, sociology)	12
	24

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN THE COLLEGE OF LIBERAL ARTS

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements.)	6

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended.)	6
Other courses (from the following	

History (101 and 102 or 140 and 141 are recommended.) 6
Mathematics (101 or 120 is recommended.) 3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.) 2
Science 6
29

JUNIOR YEAR **SEM. HRS.**

English (332, 333 or 334 is recommended.) 3
areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication, sociology) 21
27

SECONDARY TEACHER CERTIFICATION

A student in the College of Liberal Arts seeking certification at the secondary level must satisfy not only the Liberal Arts core requirements but also the core requirements of the College of Education and Psychology. In addition he must complete the following professional education courses: Research and Foundations 400 (Public Education in the United States), Research and Foundations 469 (Tests and Measurements), Educational Psychology 372 (Human Growth and Development Part II: Adolescent), Educational Psychology 374 (Educational Psychology), Secondary Education 313 (Principles of Teaching in High School), Secondary Education 451-465 (a methods course in the student's academic area), and Secondary Education 481-494 (student teaching in the student's academic area).

Effective September 1981, certification will require the following additional courses: Secondary Education 310 (Junior-Senior High School Reading Methods), Secondary Education 422 (Career Education), Special Education 400 (Psychology and Education of the Exceptional Child).

INTERDISCIPLINARY PROGRAMS

A major and a minor in Advertising, American Studies, Communiry and Regional Planning, Latin American Studies, Linguistics, Paralegal Studies, and Social Studies are administered by the College of Liberal Arts and involve an interdisciplinary curriculum. A minor emphasis in Asian Studies is another interdiscplinary program in the College of Liberal Arts. Each program is outlined in the major department section.

Speech and Hearing Clinic

Robert C. Rhodes, Director

The Speech and Hearing Clinic is operated by the Department of Speech and Hearing Sciences in the College of Liberal Arts, but it works with the College of Education and Psychology in the preparation of Special Education teachers. The Clinic is located in the Speech, Hearing, and Special Education Building.

This Clinic has a dual function. It provides facilities for the training of specialists in the areas of audiology, education of the deaf, and speech/language disorders as well as providing clinical services for individuals with hearing and speech/language problems.

The Clinic's services include diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems. These services are available to both University students and members of the community at nominal fees.

School For Children With Language Disorders

N. Etoile DuBard, Director

The School for Children with Language Disorders is part of the Department of Speech and Hearing Sciences. It is a laboratory school for children with language and speech disorders related to hearing impairments, aphasia, or dyslexia. Children may be enrolled full-time or part-time or on an out-client basis according to their needs. Diagnostic evaluations are available for children with language and learning problems.

Financial support is provided by Forrest-Lamar Counties United Way, the State Department of Education, and fees.

University students, upon completing specific courses, may obtain supervised clinical practicum in the school for either academic credit or clock hours.

DEPARTMENT OF AEROSPACE STUDIES (AIR FORCE ROTC)

James E. Conroy, Chairman

Bradley, Daugherty, Gecewicz

The Air Force ROTC Program offers a course of study leading to a commission as a Second Lietuenant in response to Air Force needs. The Air Force ROTC Program is an accredited part of the curricula of the University. Completion of AFROTC waives the academic minor requirements. Courses within the General Military Course may also be substituted for physical education requirements.

AFROTC REQUIREMENTS

Students may enroll in AFROTC if they meet the following requirements:

General Military Course: Men and women who are full-time University students may enroll in the General Military Course (GMC). The GMC courses are directed towards an in-depth survey of the Professional Officer Course and towards the missions and activities of the United States Air Force. There is no obligation associated with enrollment in any GMC course. The Professor of Aerospace Studies may grant credit or partial credit for completion of the GMC for students who have served on active duty, for junior or senior level ROTC participation in a program of any service, and for Civil Air Patrol work.

Professional Officer Course: Enrollment in the Professional Officer Course (POC) is limited to those students who have applied and have been accepted for this course. Application is normally made while a member of the GMC or (for students not enrolled in the GMC) early during the academic year prior to the year of desired entry. Students with previous military service may apply for direct entry. Individuals entering the POC must have two academic years remaining in college as full-time students at the undergraduate and/or graduate level. All POC students are obligated to accept a commission after completing their studies and to enter the active duty Air Force.

DESCRIPTION OF BASIC PROGRAMS

Students who enter Air Force ROTC classes are considered to be in the Four-, Three-, or Two-Year Programs depending on their academic progress upon entry. Enrollment in the General Military Course offers the student maximum exposure to the Air Force without obligation and also affords maximum opportunity for scholarships and entry into the Professional Officer Course. The POC is normally preceded by either a four or six week orientation period conducted at various Air Force bases. USM students usually go to Florida, Alabama, Texas, or California area bases for this orientation. Financial entitlements while in the POC normally total about $2,500 for non-scholarship students.

AFROTC COLLEGE SCHOLARSHIP PROGRAM

A combined institutional and Aerospace Studies committee nominates qualified freshman, sophomore, and junior cadets to compete for three and one-half, three, two and

one-half and two year scholarships. Scholarships cover tuition, books, fees, supplies, and equipment, plus a $100 per month tax-free subsistence allowance. Scholarships are awarded on the basis of specific academic majors needed in the Air Force and to students who want to become pilots, navigators, or missile officers. Interested students should contact the Department of Aerospace Studies.

Four-year scholarships are also available to high school students. High school students interested in making application should write: Air Force ROTC (RRUF), Maxwell AFB, Alabama 36112 during their junior year or before December of their senior year.

SUPPLEMENTAL COURSE PROGRAM (SCP)

Satisfactory completion of courses in English composition and mathematical reasoning are required for scholarship and POC students respectively. Completion of the University core will normally fulfill SCP requirements.

FLIGHT INSTRUCTION PROGRAM

The Flight Instruction Program (FIP) provides academic training to selected Professional Officer Course students. Flight training is conducted by a local accredited civilan flying school. The ground school (academic) portion is conducted by the Department of Aerospace Studies and includes theory of flight, weather, navigation, communications procedures, and Federal Aviation regulations.

DEPARTMENT ACTIVITIES

Air Force ROTC students are eligible for membership in Arnold Air Society and to participate in departmental activities. Arnold Air Society is a national service organization and sponsor of Angel Flight, a national coed service organization. Other departmental activities include orientation flights, visits to area bases, intramural sports, Dining-In, and Dining-Out.

DIVISION OF COMMUNICATION

James L. Hall, Coordinator

The Division of Communication offers an interdisciplinary major and minor involving the Departments of Speech Communication, Journalism, and Radio, Television, and Film. It is designed to prepare students for careers as communication specialists within business and industrial organizations, government agencies, trade and professional associations, or public institutions. A broad background in liberal arts and social sciences is recommended, and students are advised to concentrate their elective in these areas. A minor is not required for the Communication major.

REQUIREMENTS FOR A MAJOR IN COMMUNICATION

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6	English (203 and 204 are recommended)	6
Foreign Language	6	Foreign Language (fewer hours may suffice, depending on placement	6
History (101 and 102 or 140 and 141 are recommended)	6	Journalism 102	3
		Other courses (from the	

Mathematics (101 or 120 is recommended) 3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities) 2
Science 6

29

following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, speech communication, sociology) 12
Radio, Television, and Film 200 3
Electives 3

33

JUNIOR YEAR	SEM. HRS.
English 332	3
Journalism 421	3
Management 360	3
Radio, Television, and Film 340	3
Radio, Television, and Film Elective	3
Speech Communication 305, 311, 350, 403	12
Electives	6
	33

SENIOR YEAR	SEM. HRS.
Journalism 425	3
Journalism Elective	3
Management 455	3
Radio, Television, and Film 440	3
Speech Communication 330, 410, 417, 450	12
Electives	9
	33
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
English 101, 102 (English 100 does not satisfy core requirements)	6
History 101, 102 or 140, 141	6
Mathematics 101 or 120	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities)	2 2
Science	12
	29

SOPHOMORE YEAR	SEM. HRS.
English 203, 204	6
Journalism 102	3
Other Courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication)	21
Radio, Television, and Film 200	3
	33

JUNIOR YEAR	SEM. HRS.
English 332	3
Journalism 421	3
Management 360	3
Radio, Television, and Film 340	3
Radio, Television, and Film Elective	3
Speech Communication 305, 311,	
Electives	6
	33

SENIOR YEAR	SEM. HRS.
Journalism 425	3
Journalism Elective	3
Management 455	3
Radio, Television, and Film 440	3
Speech Communication 330, 410, 417, 450	12
Electives	9
	33
TOTAL:	128

DEPARTMENT OF CRIMINAL JUSTICE

Tyler H. Fletcher, Chairman

Alonzo, Devine, Dussich, LeFlore, Marx, Taylor

The Department of Criminal Justice offers an interdisciplinary major leading to a Bachelor of Arts or Bachelor of Science degree, and a minor. Major fields of emphasis are offered in corrections, juvenile justice, and in law enforcement.

Requirements for the major are thirty-three (33) hours of course work in criminal justice, not including the field practicum (CJ 400), and two blocks of study drawn from counseling psychology, political science, or sociology, depending upon the field of emphasis selected. These interdisciplinary blocks contain 12 hours of advanced course work each, and are structured to strengthen understanding of the applied behavioral sciences. Courses in the juvenile justice concentration are specifically structured to meet the educational guidelines of the U.S. District Court, Southern District of Mississippi, as pertains to youth services of the state.

Special needs of the student to support other career demands can be met by changing the interdisciplinary blocks to; computer science, psychology, forensic science, management, philosophy, or geography and area development if approved by the department chairman.

Requirements for the minor are eighteen (18) hours of course work in criminal justice, including CJ 200.

BACHELOR OF SCIENCE CORE REQUIREMENTS

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
History 101 and 102 or 140 and 141	6
Mathematics	3
Other courses: political science, health and safety education, sociology	9
physical education (or approved substitution) or ROTC/AFROTC	2
Science (Fundamentals of Science)	6
	32

SOPHOMORE YEAR	SEM. HRS.
Criminal Justice 200	3
English 203, 204, 333	9
Other courses: anthropology, geography, allied arts, psychology, speech and communications	12
Science (Forensic Science 300, 341)	8
	32

BACHELOR OF ARTS CORE REQUIREMENTS

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language	6
History 101 and 102 or 140 and 141	6
Mathematics	3
Other courses: political science, health and safety education, sociology)	9
Physical Education (or approved substitution) or ROTC/AFROTC	2
	32

SOPHOMORE YEAR	SEM. HRS.
Criminal Justice 200	3
English 203, 204, 333	9
Foreign Language	6
Other courses: anthropology, geography, allied arts, psychology, or speech and communications	3
Science (Forensic Science 300, 341)	8
Elective	3
	32

BACHELOR OF SCIENCE OR BACHELOR OF ARTS

Corrections Emphasis

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Counseling Psychology 101, 311, 312, 360, 361	13	Counseling Psychology 423, 433	6
Criminal Justice 325, 330, 351, 352, 353, 400*	15	Criminal Justice 450, 451, 452, 461	12
Sociology 240, 300	6	Polymer Science 440	3
		Sociology 341, 344	6
		Electives	3
	34		30

BACHELOR OF SCIENCE OR BACHELOR OF ARTS

Juvenile Justice Emphasis

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Counseling Psychology 101, 311, 312, 360, 361	13	Counseling Psychology 423, 433	6
Criminal Justice 325, 330, 351, 353, 360, 361, 400*	18	Criminal Justice 450, 452, 460, 461, 462	15
Electives in Behavioral Sciences	3	Forsenic Science 440	3
		Sociology 341, 344	6
	34		30

BACHELOR OF SCIENCE OR BACHELOR OF ARTS

Law Enforcement Emphasis

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Criminal Justice 325, 330, 333, 340, 341, 342, 400*	18	Criminal Justice 332, 370, 430, 470, 471	15
Political Science 301, 380	6	Political Science 480, 481	6
Sociology 240, 340	6	Forensic Science 440	3
Electives	4	Sociology 341, 444	6
	34		30

*CJ 400 is offered only in the junior or senior year summer sessions, unless approved by the chairman.

DEPARTMENT OF ENGLISH

Robert S. Pawlowski, Chairman

W.H. Anderson, Ball, Barthelme, D. Berry, Breland,
Brinegar, G. Davis, J.K. Davis, Hauer
Herzinger, Hickman, Innes-Brown, Kay, Kolin, Lasater, J. Lewis, McCraw,
C. Moorman, Oehms, Orange, Phillips, Polk,
P. Prenshaw, T. Richardson, Sims, C. Scates, C. Skates,
R. Stamper, Stringer, Tharpe, Twiss, M. Weatherford.

ENGLISH PROGRAMS

The English major may earn a Bachelor of Arts or a Bachelor of Science degree with or without teaching accreditation. In addition to traditional programs in literature, the English Department sponsors specialized programs in Linguistics, TESOL, and Creative Writing. For assistance in selecting the appropriate program, students should consult an adviser in the English Department. Students working toward any degree must include in their programs the required core subjects. Information on the master's and Doctor of Philosophy programs can be found in the **Graduate Bulletin.**

The undergraduate major in English consists of a total of thirty-six (36) hours beyond the freshman level. At least twenty-one (21) hours must be earned at the junior and senior level; however, it is strongly recommended that majors take twenty-four (24) hours at that level. Majors desiring state certification in English should contact the English Department to learn the current requirements.

Students should take some sophomore level work before enrolling in junior level courses and some junior work before enrolling in senior courses. Students must include among their advanced courses at least one in each of the following categories: (1) English or World Literature before 1700, or Linguistics; (2) English or World Literature after 1700; (3) American Literature. Analysis of Literature (ENG 340) is required of all English majors. For teacher certification,students must take one advanced course in grammar and two in English Literature, one of which must be in Shakespeare.

An undergraduate minor in English requires a total of twenty-four (24) hours beyond Freshman English, including at least nine (9) at the junior or senior level. If state certification is desired, the student should contact the English Department to learn the current requirements.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ENGLISH

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Foreign Language	6
Free Elective	3
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/ AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Science	6
	32

SOPHOMORE YEAR	SEM. HRS.
American Literature	3
English (203 and 204 are recommended)	6
Foreign Language (fewer hours may suffice, depending on placement)	6
Free Elective	3
Other courses from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, political science, speech communication, sociology	12
	30

JUNIOR YEAR	SEM. HRS.
English or World Literature before 1700 or Linguistics	3
English Electives	12
English 340 Analysis of Literature (meets core requirement for a 300-level composition course)	3
Free Electives	15
	33

SENIOR YEAR	SEM. HRS.
English Electives (9 hours at 400 level)	12
English or World Literature after 1700	3
Free Electives	18
	33
TOTAL:	128

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN ENGLISH

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Science	12
	29

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
English Electives	6
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication, sociology)	21
	33

JUNIOR YEAR	SEM. HRS.
American Literature	3
English Electives	9
English or World Literature before 1700 or Linguistics	3
English 340 Analysis of Literature	3
Free Electives	15
	33

SENIOR YEAR	SEM. HRS.
English or World Literature after 1700	3
English Electives (400 level)	9
Free Electives	21
	33
TOTAL:	128

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ENGLISH WITH CERTIFICATION*

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Foreign Language	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Psychology 110	3
Science (biological science)	6
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English (203 and 204 are recommended)	6
Foreign Language (fewer hours may suffice, depending on placement)	6
Health and Safety Education 101	3
Other courses (from the following areas, with no more than three hours from any one area: anthropology, geography, political science, philosophy, sociology)	6
Physical Science	6
Speech Communication	3
	33

JUNIOR YEAR	SEM. HRS.
American Literature	3
English Electives (400 level)	9
English 340 Analysis of Literature	3
English or World Literature before 1700 or Lingusitics	3
English Elective	3
Educational Psychology 372 Adolescent Psychology	3
Educational Psychology 374 Educational Psychology	3
Research and Foundations Public Education in the U.S.	3
	30

SENIOR YEAR	SEM. HRS.
Curriculum Instruction-Secondary 454 Methods in English	3
*Curriculum Instruction-Secondary 313 Principles of Teaching High School	3
*Curriculum Instruction-Secondary 484 Student Teaching	9
English or World Literature after 1700	3
English Electives	6
English 401 Advanced Grammar	3
English 454 or 455 Shakespeare's Comedies or Tragedies	3
Research and Foundations 469 Tests & Measurements	3
	33
TOTAL:	128

*Must be taken together

*Beginning in 1981, English 379, Survey of Contemporary Literature, and English 406, History of the English Language, will be required for certification.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN ENGLISH WITH CERTIFICATION*

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/ AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Psychology 110	3
Science (6 hours of biological and 6 hours of physical)	12
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English Elective	3
English (203 and 204 are recommended)	6
Health and Safety Education 101	3
Other courses (from the following areas, with no more then three hours from any one area: anthropology, economics, geography, philosophy, political science, sociology)	12
Speech Communication	3
	30

JUNIOR YEAR	SEM. HRS.
American Literature	3
English Electives (400 level)	9
English 340 Analysis of Literature	3
English or World Literature before 1700 or Linguistics	3
Educational Psychology 372 Adolescent Psychology	3

SENIOR YEAR	SEM. HRS.
*Curriculum Instruction—Secondary 313 Principles of Teaching High School	3
*Curriculum Instruction—Secondary 484 Student Teaching in English	9
Curriculum Instruction—Secondary 454 Methods in English	3

Educational Psychology 374 Educational Psychology	3
Research and Foundations 400 Public Education in the U.S.	3
Free Electives	6
	33

English Electives	6
English 401 Advanced Grammar	3
English 454 or 455 Shakespeare's Comedies or Tragedies	3
English or World Literature after 1700	3
Research and Foundations 469 Tests & Measurements	3
	33
TOTAL:	128

*Must be taken together

*Beginning 1981, English 379, Survey of Contemporary Literature, and English 406, History of the English Language, will be required for certification.

Linguistics

Bonnie C. Brinegar, Director

The English Department offers a linguistics major which is interdisciplinary in nature and is drawn from the Departments of English, Foreign Languages, and other departments offering linguistically related courses. It is primarily designed as preparation for careers calling for proficiency in the use and/or analysis of languages: the teachings of languages (including English either as a first or second language), government service, businesses with overseas operations, and international relations. Students entering this program will be assigned an adviser by the director of the program.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN LINGUISTICS

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requiremens)	6
Foreign Language	6
Free Elective	3
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/ AFROTC (this requirement may be met by participation in varsity athletics or associated activities)	2
Science	6
	32

SOPHOMORE YEAR	SEM. HRS.
Electives	6
English (203 and 204 are recommended)	6
Foreign Language (fewer hours may suffice, depending on placement)	6
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, speech communication, sociology)	12
	30

JUNIOR YEAR	SEM. HRS.
Electives	21
English 340 Analysis of Literature	3
English 400 Intro. to Linguistics	3
English 402; Foreign Language 412, 422, 472, or 400	3
Foreign Language 300 or Speech Communication 210	3
	33

SENIOR YEAR	SEM. HRS.
Elect 6 courses for 18 hours from Anthropology 311, 411; English 401, 406, 409; Foreign Language 412, 422, 472	18
Electives	12
Speech Communication 324	3
	33
TOTAL:	128

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN LINGUISTICS WITH CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Foreign Language	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Psychology 110	3
Science (biological)	6
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English (203 and 204 are recommended)	6
Foreign Language (fewer hours may suffice depending on placement)	6
Health and Safety Education	3
Other courses (from the following areas: geography, anthropology, political science, philosophy, sociology)	3
Science (physical)	6
Speech Communication	3
	30

JUNIOR YEAR	SEM. HRS.
Electives from Anthropology 311, 411, English 401, 406, 409, Foreign Language 412, 422, 472, Speech Communication 324	21
English 402 or Foreign Language 412, 422, 472, 400	3
Educational Psychology 374 Educational Psychology	3
Educational Psychology 372 Adolescent Psychology	3
Research and Foundations 400 Public Education in the U.S.	3
	33

SENIOR YEAR	SEM. HRS.
Curriculum Instruction—Secondary 454 Methods in English	3
*Curriculum Instruction—Secondary 313 Principles of Teaching High School	3
*Curriculum Instruction—Secondary 484 Student Teaching	9
English 400 Introduction to Linguistics	3
English 340 Analysis of Literature	3
English Electives	6
Foreign Language 300 or Speech Communication 210	3
Research and Foundations 469 Tests and Measurements	3
	33
TOTAL:	128

*Must be taken together

To teach, a student must certify either by taking a double major or by taking a major in linguistics and satisfying state certification requirements in a subject area such as speech, English, or a foreign language.

TESOL

Bonnie C. Brinegar, Director

A student who majors in English with an emphasis in Teaching English to Speakers of Other Languages (TESOL) will be certified to teach English to non-native speakers both in the United States and abroad as well as to teach English to native speakers in Mississippi. In addition, the requirements for foreign language certification in Mississippi are met by the

TESOL program, provided that 2 units in the modern language elected have been earned in high school, or that eighteen (18) hours of that language are taken at the college level.

By meeting either the English or foreign language major requirements, a TESOL student may receive NCATE certification, automatically certifying that student to teach English or a foreign language to English speakers in 31 states.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN TESOL WITH CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
English 101, 102 (English 100 does not satisfy core requirements)	6
Foreign Language	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/ AFROTC (this requirement may also be met by participation in varsity athletics or associated activities	2
Science (6 hours biological and 6 hours of physical)	12
	35

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English (203 and 204 are recommended)	6
Foreign Language (fewer hours may suffice, depending on placement	12
Health and Safety Education 101	3
Other Course (from the following areas: anthropology, geography, political science, sociology)	3
Psychology 110	3
Speech Communication	3
	33

JUNIOR YEAR	SEM. HRS.
English 340 Analysis of Literature	3
English 400 Intro. Linguistics	3
English 401 Advanced Grammar	3
English 402 Syntax	3
English 454 or 455 Shakespeare's Comedies or Tragedies	3
English, American Literature 370, 470, 489	3
English Literature after 1700	3
Educational Psychology 372 Adolescent Psychology	3
Educational Psychology 374 Educational Psychology	3
Research and Foundations 400 Public Education in U.S.	3
	30

SENIOR YEAR	SEM. HRS.
Curriculum Instruction Secondary 454 Methods in English	3
*Curriculum and Instruction-Secondary 484 Student Teaching in H.S.	9
*Curriculum and Instruction-Secondary 313 Principles of Teaching High School	3
Electives	6
Latin	3
Research and Foundations 469 Tests and Measurements	3
Speech and Hearing Sciences 201 Phonetics	3
	30
TOTAL:	128

*To be taken together

Center for Writers

Frederick Barthelme, Director

The Center for Writers, functioning under the aegis of the Department of English, offers interested undergraduates the opportunity to specialize in poetry or fiction writing within the context of the basic English BA degree.

A cohesive sequence of workshop courses of increasing difficulty encourages the gifted

student writer to locate and focus his or her talent, and to observe and participate in the process of teaching creative writing.

A companion group of theory and literature courses places emphasis on contemporary and current writing, literary theory, and criticism in English and in translation.

The Center sponsors two publications: Mississippi Review, a national journal of fiction, poetry, and criticism; and **Product**, a student publication geared to publish and circulate within the University community the very best student writing.

Specialization in creative writing is available by arrangement with the Director of the Center for Writers.

DEPARTMENT OF FOREIGN LANGUAGES

Editha S. Neumann, Chairman

E. Anglin, Austin, Fontecchio, R. B. Johnson, Jr.,

McCrary, R. Moorman, W. Odom, Schurfranz

Candidates for either the Bachelor of Arts or the Bachelor of Science degree may choose a major or minor in French, German, Spanish, or classics. The major requires a minimum of thirty (30) semester hours. The minor requires eighteen (18) hours. Students choosing to major or minor in classics must take both Greek and Latin for a total of the necessary hours of credit. Programs in Italian and Russian are also available, although they do not establish an academic major or minor. Language areas are indicated in the course titles. Where no single language is named, the course is open to students studying any foreign language, and such courses are applicable toward the degree programs in various language areas.

From time to time accelerated courses are offered at the beginning and intermediate levels. These courses have certain advantages for the student and allow rapid acquisition of a foreign language.

Students may begin programs of specialization at an early date in their foreign language training. In cooperation with other departments at this University, the Department of Foreign Languages has established a number of formal and informal programs for the student who wishes to prepare for a career in which bilingualism can be an advantage. The department offers, for example, courses that emphasize or supplement training in the following areas: linguistics, translation, banking, and business administration in connection with Common Market countries, government and diplomatic service, the military, foreign language teaching, literature, resource management, community and regional planning, and bilingual secretarial skills. For assistance in devising a suitable curriculum, students should consult as soon as possible with a foreign language adviser. Since the beginning language courses are combinations of historical, cultural, and language material, they can function as electives for students in liberal arts, the sciences, and education, even though these students are pursuing neither a major nor a minor in the department.

Credit earned for study abroad (FL 301, FL 401) may substitute for FL 411, 421, 471, or 406 with the consent of the adviser.

Those students who have already studied the language they wish to continue here will enter the curriculum at an appropriate level. For a major, they must complete the thirty (30) hour requirement in their language area.

Because proficiency, and not hours of credit, is the basis for continuing study of a language, every course in the department has as its prerequisite the consent of the instructor. All students are expected to take courses that will be challenging and profitable for them—neither too elementary nor too advanced.

Students interested primarily in literature should include in their advanced studies a series of courses treating literary topics and literary history. Those emphasizing language arts, linguistics, or translation skills should include FL 301, 400, and 403. Prospective teachers should enroll in FL 404, in addition to regular language courses and the courses necessary to meet requirements for teacher certification. Those wishing to gain language skills for becoming bilingual secretaries, public relation consultants, businessmen, resource managers, airline stewardesses or stewards, area specialists, etc., should include advanced language and culture courses and FL 403.

Any student taking a foreign language course has access to the Foreign Language

Laboratory and may be required to attend laboratory or drill sessions each week in connection with regular classroom meetings. Required laboratory exercises and drill sessions are at the discretion of the instructor and may vary from week to week.

Listed below are the common requirements for various degree programs. Electives in these programs may be used to establish a minor or to fulfill requirements in a second major. The programs leading to the BA degree are recommended for the student who plans to pursue graduate studies. The programs leading to the BS degree are recommended for the student who wishes to qualify for teacher certification at the secondary-school level with an undergraduate degree. These programs include: (1) an academic major in a foreign language, (2) a teaching minor in English, (3) the BS core requirement, College of Liberal Arts, (4) the General Core requirements, College of Education and Psychology, (5) the requirements of the secondary education minor. A minor in a teaching field other than English is also possible. The suggested sequences may be modified to meet a student's specific program and schedule needs.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN FRENCH, GERMAN, OR SPANISH

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language	6
French: 111, 112, or	
German: 121, 122, or	
Spanish: 171, 172	
History (101 and 102 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Science	6
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
Elective or minor	3
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Foreign Language	6
French: 211, 212, or	
German: 221, 222, or	
Spanish: 271, 272	
Foreign Language (other than academic major)	6
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, speech communication, sociology)	12
Elective or minor	3
	33

JUNIOR YEAR	SEM. HRS.
English 332, 333, or 334	3
Foreign Language (301 is recommended; may substitute for one to three courses in the major area)	9
French: 311, 313, and one approved elective	
German: 321, 323, and one approved elective	
Spanish: 371, 373, and one approved elective	
Foreign Language (other than academic major, continued)	6
Electives or minor	15
	33

SENIOR YEAR	SEM. HRS.
Foreign Language (401 is recommended, or the following options)	9
French: 411 (or 406), 413, and one approved elective	
German: 421 (or 406), 423, and one approved elective	
Spanish: 471 (or 406), 473, and one approved elective	
Electives or minor	21
	30
TOTAL:	128

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE, TEACHING OPTION, IN FRENCH, GERMAN, OR SPANISH

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English 101, 102	6
Foreign Language	6
French: 111, 112, or	
German: 121, 122, or	
Spanish: 171, 172	
History (101 and 102 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Science	6
Physical Education or ROTC/AFROTC (This requirements may also be met by participation in varsity athletics or associated activities.)	2
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Foreign Language	6
French: 211, 212, or	
German: 221, 222, or	
Spanish: 271, 272	
Psychology 110	3
Science	6
Speech Communication	3
Other courses (from the following areas, with no more than three hours from any one area: anthropology, economics, geography, philosophy, political science, sociology)	9
	33

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372, 374	6
English 332, 333, or 334, and approved electives	12
Foreign Language (301 is recommended: may substitute for one to three courses in the major area)	9
French: 311, 313, and one approved elective	
German: 321, 323, and one approved elective	
Spanish: 371, 373, and one approved elective	
Health and Safety Education 101	3
Research and Foundations 400	3
	33

SENIOR YEAR	SEM. HRS.
English	3
Foreign Language (401 and 404 are recommended, or the following options)	9
French: 411 (or 406), 413, and one approved elective	
German: 421 (or 406), 413, and one approved elective	
Spanish: 471 (or 406), 473, and one approved elective	
Research and Foundations 469	3
Secondary Education:	15
CIS 455 (3 hrs.)	
CIS 313 (3 hrs. in conjunction with the following)	
CIS 485 (9 hrs.)	
	30
TOTAL:	128*

*The following additional professional education courses will be required in the secondary education minor for those students graduating after September 1, 1981:

Secondary Education 310 - Junior-Senior High School Reading Methods (3 sem. hrs.)

Special Education 400 - The Psychology and Education of the Exceptional Child (3 sem. hrs.)

Secondary Education 422 - Curriculum Development for Career Education (3 sem. hrs.)

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE, TEACHING OPTION FOR LATIN, IN CLASSICS

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English 101, 102	6
Foreign Language Latin: 151, 152	6
History (101 and 102 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Science	6
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended, and approved elective)	9
Foreign Language Latin: 251, 252, and Greek: 131, 132	12
Psychology 110	3
Science	6
Speech Communication	3
	33

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372, 374	6
English 332, 333, or 334, and approved elective	6
Foreign Language 403 and Latin: 353	6
Health and Safety Education 101	3
Research and Foundations 400	3
Other courses (from the following areas, with no more than three hours from any one area: anthropology, economics, geography, philosophy, political science, sociology	9
	33

SENIOR YEAR	SEM. HRS.
English	6
Foreign Language 404 (recommended) and Latin: 455	6
Research and Foundations 469	3
Secondary Education: CIS 455 (3 hrs.) CIS 313 (3 hrs in con.-junction with the following) CIS 485 (9 hrs.)	15
	30
TOTAL:	128*

*The following additional professional education courses will be required in the secondary education minor for those students graduating after September 1, 1981:

Secondary Education 310 - Junior-Senior High School Reading Methods (3 sem. hrs.)

Special Education 400 - The Psychology and Education of the Exceptional Child (3 sem. hrs.)

Secondary Education 422 - Curriculum Development for Career Education (3 sem. hrs.)

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN CLASSICS

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language Latin: 151, 152	6

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Foreign Language	12

History (101 and 102 are recommended)	6
Science	6
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
Elective or minor	3
	32

JUNIOR YEAR	SEM. HRS.
English 332, 333, or 334	3
Foreign Language Latin: 353, 455, and Greek: 431, 432, and a modern foreign language: 111 and 112, or 141 and 142, or 171 and 172	18
Electives or minor	12
	33

Latin: 251, 252, and Greek: 131, 132	
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, speech communication, sociology)	12
Elective or minor	3
	33

SENIOR YEAR	SEM. HRS.
Foreign Language (modern, in the area elected in the junior year: 211 and 212, or 241 and 242, or 271 and 272	6
Electives or minor	24
	30
TOTAL:	128

DEPARTMENT OF GEOGRAPHY AND AREA DEVELOPMENT

William M. Roberts, Chairman

Cross, A. Kelley, R. Landry, McKee, Stepko, Wales, D. L. Williams

The Department of Geography and Area Development offers the following undergraduate degree programs:

1. Bachelor of Arts and Bachelor of Science in Geography
2. Bachelor of Science in Community and Regional Planning
3. Bachelor of Arts in Economics

THE GEOGRAPHY PROGRAM

Geography is concerned with the nature, development, and significance of the spatial attributes of the surface and atmospheric envolope of the earth. The discipline attempts to explain the variable character of the earth through an examination and anlyasis of the arrangement and interrelationships of a multitude of relevant cultural and natural phenomena.

As a university discipline, Geography at USM serves a multiple objective: (1) to contribute to the student's broad understanding of the world, its conditions, and its peoples; (2) to prepare the student who desires to teach at the secondary level with a speciality in geography, and, (3) to prepare students for advanced work and professional careers in geography in areas such as university teaching, community and regional planning, resource management, land-use analysis, industrial location analysis, and cartography. The department offers a full range of courses designed to satisfy all three of these objectives. Geography majors may follow either a Bachelor of Arts or a Bachelor of Science curriculum.

Undergraduate courses in Geography fall into one of the three following groups: (1) topical—courses in this group, such as economic geography and environmental climatology, consider the geographical or spatial aspects of specific categories or processes; (2) regional—such courses deal with certain secions of the earth (e.g., Europe) and generally afford a broader view of the forces of social, economic, physical, and political interaction, and (3) techniques—this group includes courses in aerial photograph interpretation, quantitative methods, cartography, computer mapping, and remote sensing that provide the student with the tools necessary for geographic and related careers.

REQUIREMENTS FOR A MAJOR IN GEOGRAPHY

A student majoring in Geography may select one of several alternative plans. He may work toward the Bachelor of Arts, the Bachelor of Science teaching, or the Bachelor of Science non-teaching degree. The student's choice of program should be determined by his plans for the furture and in close coordination with his adviser. All students pursing a major in Geography must complete the following requirements—which include a minimum of thirty-six (36) hours in the Department of Geography and Area Development and a minor.

	Hours
General Core for the College of Liberal Arts (including Geography (GHY) 103	59
Professional Requirements	
GHY 310, 323, 324, 331, and 350	15
Three additional topical courses in GHY	9
One 400-level GHY techniques course	3
One 400-level GHY regional course	3
Electives in GHY (may include 103)	6
Minor Requirements	21
Electives	12
Total	128

The department also offers a Bachelor of Science teaching degree with a minor in Secondary Education. The geography requirements for this program are similar to those listed for the B.S. degree in geography. The minor requirements may be found elsewhere in this Bulletin under Secondary Teacher Education. Prospective majors should contact an adviser in both Geography and Secondary Education as soon as practicable after enrollment.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN GEOGRAPHY

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirement)	6
History (101 and 102 or 140 and 141 are recommended)	6
Science	3
Foreign Language	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
Elective	3
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Foreign Language (fewer hours may suffice, depending on placement)	6
Geography 310	3
Other courses (from the following areas, with no more than 3 hours from any one area: Allied Arts 100 or Music 365, anthropology, economics. geography, political science, philosophy, speech communication, sociology)	12
Two courses from minor field	6
	33

JUNIOR YEAR	SEM. HRS.
English 323 or 333	
Geography 323, 324, 331, and 350	12
Three additional topical courses in Geography	9
Two courses from minor field	6
Elective	3
	33

SENIOR YEAR	SEM. HRS.
One 400-level techniques course in Geography	3
One 400-level regional course in Geography	3
Two Geography electives	6
Three courses from minor field	9
Electives	9
	30
TOTAL:	128

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN GEOGRAPHY

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Elective	3
Science	6
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Geography 310	3
Other courses (from the following areas, with no more than 3 hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, health and safety education 101, philosophy, political science, psychology, speech communication, sociology)	21
One course from minor field	3
	33

JUNIOR YEAR	SEM. HRS.
English (332 or 333 is recommended)	3
Geography 323, 324, 331, and 350	12
Three additional topical courses in Geography	9
Three courses from minor field	9
	33

SENIOR YEAR	SEM. HRS.
One 400-level techniques course in Geography	3
One 400-level regional course in Geography	3
Two Geography electives	6
Three courses from minor field	9
Electives	9
	30
TOTAL:	128

COMMON REQUIREMENTS FOR A MINOR IN GEOGRAPHY

A student minoring in Geography must take a minimum of twenty-one (21) hours in the department. Recommended for the minor are GHY 103, 310, 323, 324, 331, and either 341 or 350, plus any 400-level regional course.

THE COMMUNITY AND REGIONAL PLANNING PROGRAM

Robert J. Landry, Director

The general objectives of the Community and Regional Planning program are to provide:

(1) A basic core of practical training and course work in urban, transportation, and environmental planning;

(2) A generalized interdisciplinary core of related training, primarily in behavioral and scientific knowledge, and in technical skills;
(3) A base upon which students can build a program of graduate study in community and regional planning, natural resources planning, or the social and environmental professions; and
(4) A general but systematic background for students who intend to assume positions in planning and planning-related professions without further formal study.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN COMMUNITY AND REGIONAL PLANNING

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 is recommended)	3
Speech Communication 111	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
Science	12
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 or 300 is recommended)	3
Geography 310, 360, and 361	9
Other Courses (Sociology 101, Economics 255, Political Science 101, Anthropology 101 or 212, Geography 350, and Health and Safety Education 101 are recommended)	18
	30

JUNIOR YEAR	SEM. HRS.
English (332 or 333 is recommended)	3
Geography (411, 461, and 463 are required)	9
Other courses (seven courses should be selected from: Journalism 421; Economics 422, 424, 480; Sociology 240, 310; Political Science 301, 402, 470; Environmental Science 403, 405; Recreation 432, 434, 436; Real Estate 330, 460; Geography 323, 324, 370, 422, 451, 453, 460, 472, 474, 475)	21
	33

SENIOR YEAR	SEM. HRS.
English (332 or 333 is recommended)	3
Geography (413, 415, 462, 464, 465, 466, 469, and 491* are required)	24
Electives	6
	33
TOTAL:	128

*The internship will generally be taken during the summer between the junior and senior year.

ECONOMICS PROGRAM

William M. Roberts, Coordinator

The Bachelor of Arts major in Economics is coordinated by the Department of Geography and Area Development. This degree is granted by the College of Liberal Arts while the Bachelor of Science program in Economics is the responsibility of the College of Business Administration.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ECONOMICS

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Foreign Language	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varisty athletics or associated activities)	2
Science	6
Elective	3
	32

SOPHOMORE YEAR	SEM. HRS.
Economics 255 and 256	6
English (203 and 204 are recommended)	6
Foreign Language (fewer hours may suffice, depending on placement)	6
Other courses (from the following areas, with no more than 3 hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, political science, philosophy, speech communication, sociology)	12
Minor	3
	33

JUNIOR YEAR	SEM. HRS.
Economics 301, 302, and 330	9
English 332 or 333	3
Two electives in Economics	6
Minor	9
Electives	6
	33

SENIOR YEAR	SEM. HRS.
Economics 340 and 345	6
Elective in Economics	3
Minor	9
Electives	12
	30
TOTAL:	128

REQUIREMENTS FOR A MINOR IN ECONOMICS

The recommended minor in Economics consists of ECO 155, 256, 301, 310, 330, 340 and 345.

DEPARTMENT OF HISTORY

John Ray Skates, Chairman

J. Anglin, Bodenhamer, R. Bowers, Carriere, Cicarelli, Conklin, W. Edwards, Fike, Gonzales, Guice, Harper, McCarty, McMillen, Scarborough, Schmidt, Wallace

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Bachelor of Science, the Master of Arts, the Master of Science, the Master of Philosophy, and the Doctor of Philosophy. For the master's and doctoral degrees, please consult the **Graduate Bulletin.** The department participates and advises in the Social Studies, American Studies, and Latin American Studies interdisciplinary degree programs.

COMMON REQUIREMENTS FOR A MAJOR IN HISTORY

An undergraduate student majoring in History may elect either the Bachelor of Arts or the Bachelor of Science degree program. He may certify to teach in the field of social studies at the secondary level under either of the above degree plans by taking the necessary education and psychology courses. He should consult with his adviser to determine which

degree plan to follow and what education and psychology courses are required.

Students majoring in History must take thirty-six (36) hours which, regardless of his degree plan, must include History (HIS) 101, 102, and HIS 140, 141. Of the twenty-four (24) remaining hours required for the major, no more than twelve (12) hours of advanced course work can be selected from any one of the three following course areas: (1) American History, (2) European History, (3) Other (Latin American, Far East, and other non-American, non-European courses). Students who have satisfied the thirty-six (36) hour major requirement may take additional advanced courses in history in any area they prefer.

COMMON REQUIREMENTS FOR A MINOR IN HISTORY

The student minoring in History should take twenty-one (21) hours in history which should include HIS 101 and 102.

Teacher Certification

The history major working toward the Bachelor of Science teaching degree with a secondary school license in social studies must include in his program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses either as core or electives: economics (6 hours), political science (6 hours), geography (6 hours), sociology (3 hours), Mississippi History (3 hours).

BACHELOR OF ARTS DEGREE IN HISTORY

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements.)	6
Foreign Language	6
History 101 and 102	6
Mathematics (101 or 120 are recommended.)	3
Physical Education	2
Science	6
	29

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended.)	6
Foreign Language (fewer hours may suffice depending on placement.)	6
History 140 and 141	6
Other courses (from the following areas with no more than 3 hours from any one area) Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, speech communication, sociology	12
	30

JUNIOR YEAR	SEM. HRS.
English 332, 333, or 334	3
Advanced History Electives	12
Minor Electives (Minors vary from 18 to 27 hours.)	9
General Electives	9
	33

SENIOR YEAR	SEM. HRS.
Advanced History Electives	12
Advanced Minor Electives	12
General Electives	12
	36
TOTAL:	128

BACHELOR OF SCIENCE DEGREE IN HISTORY (Non-Teaching)

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication, sociology, (no more than 3 hours from any area	9
English 101 and 102	6
History 101 and 102	6
Mathematics (101 or 120 recommended)	3
Physical Education	2
Science	6
	33

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365, anthropology, economics, geography, health and safety education, philosophy, political science, psychology, speech communication, sociology, (no more than 3 hours from any area, and may not duplicate those areas taken in freshman year)	12
English (203 and 204 recommended)	6
History 140 and 141	6
Science	6
	30

JUNIOR YEAR	SEM. HRS.
English (332, 333, or 334 recommended)	3
History Electives	12
Minor Electives	9
General Electives	9
	33

SENIOR YEAR	SEM. HRS.
History Electives	12
Minor Electives	12
General Electives	9
	33
TOTAL:	128

BACHELOR OF SCIENCE DEGREE IN HISTORY WITH SECONDARY CERTIFICATION IN SOCIAL STUDIES

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English 101 and 102	6
History 101 and 102	6
Mathematics (101 or 120 are recommended.)	3
Physical Education	2
Physical Science	6
Political Science 101	3
Sociology 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Biological Science	6
Economics 255, 256	6
English 203 and 204	6
Geography 103	3
Health and Safety Education 101	3
History 140 and 141	6
Psychology 110	3
Speech Communication 111	3
	36

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372	3
Educational Psychology 374	3
English 332, 333, or 334	3
History 341	3
History Electives	12
Political Science 301	3
Research and Foundations 400	3
	30

SENIOR YEAR	SEM. HRS.
Research and Foundations 469	3
Secondary Education 458	3
Secondary Education 488	9
Secondary Education 313	3
Geography Electives	3
History Electives	9
	30
TOTAL:	128

AMERICAN STUDIES MAJOR (AMS—204)

John D. W. Guice, Director

The American Studies Program offers an interdisciplinary major and minor for students interested in a broad liberal arts education. Through courses from many fields, the student acquires an understanding of the development of the American heritage. By course selection and during the American Studies Seminar, students may pursue their special interests. The major requires thirty (30) semester hours and the minor requires eighteen (18) semester hours. For students who desire a double major, no minor is required.

Students are encouraged to have a second major or minor in complementary, career-oriented fields such as pre-law, pre-medicine, pre-dentistry, paralegal studies, journalism, library science, marketing, management, radio-television-film, military science, and education. The requirements listed below are in addition to the Liberal Arts core curriculum for either the Bachelor of Arts or the Bachelor of Science degree. Students in this program will be advised by the director of the American Studies Program.

BACHELOR OF ARTS DEGREE IN AMERICAN STUDIES (Non-Teaching)

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirement)	6
Foreign Language	6
History 140 and 141	6
Mathematics (101 or 120 is recommended.)	3
Physical Education	2
Science	6
	29

SOPHOMORE YEAR	SEM. HRS.
American Studies Electives	6
English (203 and 204 are recommended.)	6
Foreign Language (Fewer hours may suffice depending on placement.)	6
Other courses (from the following areas with no more than 3 hours from any one area; American Studies options in these fields may apply.) Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, speech communication, sociology	12
	30

JUNIOR YEAR	SEM. HRS.
Advanced American Studies Electives	9
English 332, 333, or 334	3
General Electives	12
Minor Electives (Minors vary from 18 to 27 hours. Because of the interdisciplinary nature of American Studies, a minor is not required. However, a strong minor or double major is recommended.)	9
	33

SENIOR YEAR	SEM. HRS.
Advanced American Studies Electives	12
Advanced Minor Electives (Minors vary from 18 to 27 hours. Because of the interdisciplinary nature of American Studies, a minor is not required. However, a strong minor or double major is recommended.)	12
American Studies Seminar	3
General Electives	9
	36
TOTAL:	128

BACHELOR OF SCIENCE DEGREE IN AMERICAN STUDIES (Non-Teaching)

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication, sociology, (no more than 3 hours from any area; American Studies options in these fields may apply.)	9
English 101 and 102 (English 100 does not satisfy core requirements.)	6
History 140 and 141	6
Mathematics (101 or 120 is recommended.)	3
Science	6
Physical Education	2
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication, sociology, (no more than 3 hours from any area; no duplication of areas taken in freshman year; American Studies options may apply.)	12
American Studies Electives	6
English 203 and 204 recommended.)	6
Science	6
	30

JUNIOR YEAR	SEM. HRS.
American Studies Electives	12
English (332, 333, or 334 recommended.)	3
General Electives	9
Minor Electives (Minors vary from 18 to 27 hours. Because of the interdisciplinary nature of American Studies, a minor is not required. However, a strong minor or double major is recommended.)	9
	33

SENIOR YEAR	SEM. HRS.
American Studies Electives	12
American Studies Seminar	3
General Electives	9
Minor Electives (Minors vary from 18 to 27 hours. Because of the interdisciplinary nature of American Studies, a minor is not required. However, a strong minor or double major is recommended.)	9
	33
TOTAL:	128

LATIN AMERICAN STUDIES

Orazio Ciccarelli, Director

The Latin American Studies Program offers: (A) an interdisciplinary major in Latin American Studies; (B) an interdisciplinary minor in Latin American Studies. The program is designed to prepare students for careers in government, business, teaching, or private organizations having Latin American interests. The requirements listed below are in addition to the General College Core curriculum for either the Bachelor of Arts or the Bachelor of Science degree. Students pursuing this program will be advised by the director of the Latin American Studies Program.

FRESHMAN YEAR	SEM. HRS.
English 101 and 102	6
Foreign Lauguage 171 and 172	6
Fundamentals of Science 104 and 105	6

SOPHOMORE YEAR	SEM. HRS.
Anthropology, geography, allied arts, sociology, or speech communication	3
English 203, 204, and 333	9
Foreign Language 271 and 272	6

History 101 and 102	6
Mathematics 120	3
Philosophy 151	3
Political Science 101	3
	33
Physical Education	2
General Electives	12
	32

JUNIOR YEAR	SEM. HRS.
Anthropology 315	3
Foreign Language 371 and 471	6
Geography 403	3
History 380 and 381	6
Political Science 434 or 456	3
General Electives	6
Major Electives	6
	33

SENIOR YEAR	SEM. HRS.
History 382, 480, and 481	6
Major Electives	15
General Electives	9
	30
TOTAL:	128

Emphasis on Latin American Trade and Finance

FRESHMAN YEAR	SEM. HRS.
English 101 and 102	6
Foreign Language 171 and 172	6
Fundamentals of Science 104 and 105	6
History 101 and 102	6
Mathematics 120	3
Philosophy 151	3
Political Science 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
Accounting 201 and 202	6
Anthropology, geography, allied arts, sociology, or speech communication	3
Economics 255 and 256	6
English 203 and 204	6
Foreign Language 271 and 272	6
Marketing 300	3
Physical Education	2
	32

JUNIOR YEAR	SEM. HRS.
Economics 330	3
Economics 340 or 345	3
English 333	3
Finance 389	3
Foreign Language 471	3
History 380 and 381	6
Management 360	3
General Electives	9
	33

SENIOR YEAR	SEM. HRS.
Economics 435 or Marketing 495	3
Finance 472 or 480	3
History 480, 481, or 482	3
Political Science 434 or 456	3
Major Electives	6
General Electives	12
	30
TOTAL:	128

SOCIAL STUDIES

J. Ray Skates, Director

The interdisciplinary major and minor in the area of Social Studies is jointly sponsored by the College of Liberal Arts and the College of Education and Psychology. This program is open to both prospective teachers as well as those students desiring a broad preparation in the social sciences. Consequently a student majoring in Social Studies may elect the degree program of either college. Students who plan to teach in the public schools must meet the professional certification requirements of the College of Education and Psychology. It is recommended that a student who is planning to teach the Social Studies in junior or senior high school take this interdisciplinary major as it more adequately prepares one to teach all the social studies courses currently offered in the public school.

BACHELOR OF SCIENCE DEGREE IN SOCIAL STUDIES WITH SECONDARY CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English 101 and 102	6
History 101 and 102	6
Mathematics (101 or 120 recommended)	3
Physical Education	2
Physical Science	6
Political Science 101	3
Sociology 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Biological Science	6
Economics 255, 256	6
English 203 and 204	6
Geography 103	3
Health and Safety Education 101	3
History 140 and 141	6
Psychology 110	3
Speech Communication 111	3
	36

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372	3
Educational Psychology 374	3
English 332, 333, or 334	3
History 341	3
History Elective	3
Political Science 301	3
Research and Foundations 400	3
General Elective	3
Geography Elective	3
Sociology Elective	3
	30

SENIOR YEAR	SEM. HRS.
Research and Foundations 469	3
Secondary Education 458	3
Secondary Education 488	9
Secondary Education 313	3
Geography Elective	3
History Elective	3
Political Science Elective	3
Sociology Elective	3
	30
TOTAL:	128

REQUIREMENTS FOR A MINOR IN SOCIAL STUDIES

(Non-teaching)

The minor in Social Studies will consist of twenty-one (21) hours in no less than four of the six fields specified above, and a minimum of twelve hours in courses numbered 200 or above. The designated fields are history, political science, sociology, economics, geography, and anthropology.

DEPARTMENT OF JOURNALISM

Birthney Ardoin, Chairman

Bishop, Frair, Wheeler, Wiggins

The Department of Journalism offers emphases in News-Editorial, Photojournalism, Public Relations, and Journalism Education. The department also participates in an interdisciplinary Advertising Program. These programs are designed to prepare students for careers in news reporting, editing, writing, photography, advertising, public relations, and journalism education.

REQUIREMENTS FOR A MAJOR IN JOURNALISM

Listed below are the common requirements for both the Bachelor of Arts and Bachelor of Science degrees. The suggested sequence may be modified to meet a student's specific program and schedule needs.

Typing Skills Necessary

Any student expecting to take courses in journalism should understand that a typing capability is essential. Those students with no typing skills should plan to take typing very early in the program.

All majors and minors in the News-Editorial sequence are required to do practical work on **The Student Printz.** Others are invited to participate in the publication of the paper.

Flexibility in the selection of courses outside of the department is encouraged so that students can formulate individual career goals.

REQUIREMENTS FOR A MAJOR IN JOURNALISM

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Foreign Language	6
History (101 and 102 or 140 and 141 are recommended)	6
Journalism	3
Mathematics (101 or 120 is recommended	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities	2
Science	6
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Foreign Language (Fewer hours may suffice, depending on placement	6
Journalism 103, 140, 140L	7
Open Elective	3
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365 anthropology, geography, philosophy, political science, speech communication, sociology)	12
	34

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements	6
History (101 and 102 or 140 and 141 are recommended)	6
Journalism	3
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Science	12
	32

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended	6
Journalism 103, 140, 140L	7
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication, sociology)	21
Teacher certification requires Fine Arts, Health and Safety Education 101, Psychology 110, and Speech Communication 111	
	34

Requirements for an Emphasis in Journalism Education

The journalism education program is designed to prepare students academically and professionally to teach journalism and supervise publications on the secondary level and to pursue graduate level study. The journalism major working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements.

Majors must complete thirty-three (33) semester hours in journalism, including JOU 102, 103, 140, 311, 313, 331, and 402. The candidate should also meet the special requirements of a minor in a related subject matter field, such as English or social science.

JUNIOR YEAR	SEM. HRS.
Curriculum and Instruction Secondary 313	3
Educational Psychology 372, 374	6
English 350 or 351, 370 or 371	6
Journalism 300, 311, 313, 331, 402	15
Research and Foundations 300	3
	33

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction Secondary 465, 494	12
English 401, 454, or 455	6
Journalism Electives	12
Research and Foundations 469	3
	33

Requirements for an Emphasis in News-Editorial

The news-editorial sequence requires a minimum of thirty-three (33) semester hours of journalism, including JOU 102, 103, 140, 311, 313, 402, 403, 450, and 460. (JOU 300 is counted above minimum 33 hours.)

JUNIOR YEAR	SEM. HRS.
English (above 300 level)	3
Journalism 300, 311, 313 elective	15
Minor Area	12
Open Elective	3
	33

SENIOR YEAR	SEM. HRS.
Journalism 402, 403, 450, 460	12
Minor Area	9
Open Elective	8
	29

Requirements for an Emphasis in Photojournalism

The photojournalism program requires a minimum of thirty-three (33) semester hours of journalism, including JOU 102, 103, 140, 240, 341, 342, 344, 440, and 460. (JOU 300 is counted above minimum 33 hours.)

JUNIOR YEAR	SEM. HRS.
English (above 300 level)	3
Journalism 240, 341, 342, 344	12
Minor Area	12
Open Electives	6
	33

SENIOR YEAR	SEM. HRS.
Journalism 440, 460 electives	12
Minor Area	9
Open Electives	8
	29

Requirements for an Emphasis in Public Relations

The sequence in public relations requires the following thirty-three (33) semester hours of journalism, JOU 102, 103, 140, 301, 311, 312, 313, 421, 422, 425, and 428. Recommended for electives or as a possible minor are these optional courses to provide students with a broad range of instruction in other areas of communication. Speech Communication 311, 315; Radio, Television, and Film 271, 302.

JUNIOR YEAR	SEM. HRS.
Journalism 301, 311, 312, 313	12
Minor Area	9
Radio, Television, and Film 271, 302	6
Speech Communication 311, 315	6
	33

SENIOR YEAR	SEM. HRS.
English (above 300 level)	3
Journalism 421, 422, 425, 428	12
Minor Area	12
Open Elective	2
	29

ADVERTISING

Birthney Ardoin, Director

The Departments of Journalism and Radio, Television, and Film offer a major in Advertising in conjunction with the Department of Marketing in the College of Business Administration.

The advertising major is interdisciplinary and is designed to prepare students to work in advertising agencies, business, and industries that require advertising departments, or as specialists in the mass media.

Advertising majors in Liberal Arts may follow either a Bachelor of Arts or a Bachelor of Science curriculum dependent upon specialized interests. A curriculum plan should be developed with the major adviser early in the program.

Advertising majors do not have a seperate minor. Majors must complete fifty-four (54) semester hours.

REQUIREMENTS FOR A MAJOR IN ADVERTISING

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Foreign Language	6
History (101 and 102 or 140 and 141 are recommended)	6
Journalism 140, 140L	4
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2
Science	6
	33

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Foreign Language (Fewer hours may suffice depending on placement)	6
Journalism 240	3
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, philosophy, political science, speech communication, sociology)	12
Radio, Television, and Film 271	3
	30

JUNIOR YEAR	SEM. HRS.
English (above 300 level)	3
Journalism 312, 331	6
Marketing 300, 322, 330, 355	12
Open Electives	6
Radio, Television, and Film 330, 340	6
	33

SENIOR YEAR	SEM. HRS.
Electives in Major	6
Journalism 421	3
Marketing 342, 365, 455	9
Open Electives	11
Radio, Television, and Film 431	3
	32
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
History (101 and 102 or 140 and 141 are recommended)	6
Journalism 140, 140L	4
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities	2
Science	12
	33

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Journalism 240	3
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, speech communication, sociology)	21
Radio, Television, and Film 271	3
	33

JUNIOR YEAR	SEM. HRS.
Journalism 312, 331	6
Marketing 300, 322, 330, 355	12
Open Electives	9
Radio, Television, and Film 330, 340	6
	33

SENIOR YEAR	SEM. HRS.
Electives in Major	6
English (above 300 level)	3
Journalism 421	3
Marketing 342, 365, 455	9
Open Electives	8
Radio, Television, and Film 431	3
	32
TOTAL:	131

DEPARTMENT OF MILITARY SCIENCE

Ambrose A. Szalwinski, Chairman

Allenbach, Barnett, Bligh, Carlton, Cascio, Hino, Housley, Lane, Reed, Ritter, Rozar, Sanford, Shoemaker, Stewart, White, Yancy

AUTHORIZATION

The University of Southern Mississippi was authorized by the Department of the Army to activate a unit of the Senior Division Reserve Officers Training Corps (ROTC) on April 3, 1950. The unit was organized June 14, 1950, under the authority of an Act of Congress, June 3, 1916, and subsequent amendments thereto.

MISSION

The mission of the ROTC program is to attract, motivate, and prepare selected university students for commissioning as officers in the United States Army. Academic achievement in the major field of study is of primary importance for students enrolled in the ROTC program.

PROGRAM OF INSTRUCTION

The ROTC program of instruction is divided into two courses, the Basic Course and the Advanced Course. The full program encompasses four years.

The Basic Course consists of two years of instruction and is a prerequisite for entry into the Advanced Course. The Basic Course is introductory in nature and no military obligation is incurred.

The Advanced Course is designed to prepare selected cadets for commissioning in the United States Army. All academic majors are accepted, and the University has waived the requirement for a minor for those students completing the ROTC program. Successful completion of a six-week advanced summer camp and nomination by the Professor of Military Science are required for commissioning. The Advanced Course student is paid a $100.00 per month tax free subsistence allowance during both academic years of the Advanced Course. Regular Army and Reserve Commissions are earned. A recipient of a Reserve Commission may opt for a short period of active duty and then join a Reserve or National Guard unit.

Basic Course students will participate in a leadership practicum. This will include practical training exercises on the USM campus and the Camp Shelby traning site.

Advance Course students will be required to attend a weekly leadership laboratory and participate each semester in practical training exercises.

TWO-YEAR PROGRAM

A two-year program leading to a commission is available to the following categories of students:

(1) A veteran whose military record is evaluated by the Professor of Military Science and determined to have the necessary background for acceptance into the Advanced Course.

(2) Students who did not take the Basic Course during the freshman and sophomore years. These students must successfully complete a six-week Basic Summer Camp prior to applying for the Advanced Course.

(3) Students who attend a condensed summer program on the USM campus and participate in two practical training exercises conducted at Camp Shelby, Mississippi.

EXTRACURRICULAR AND ENRICHMENT ACTIVITIES

ROTC cadets have the opportunity to participate in several professional organizations within the Corps of Cadets. These include the Orienteering Team, the Ranger Company, the Rappelling Club, the Rifle Team, the Scabbard & Blade (honorary military society), and the Southern Generals (drill team).

ROTC SCHOLARSHIP PROGRAM

The Army ROTC Scholarship Program is designed to offer financial assistance to outstanding young men and women in the four-year ROTC program who are interested in the Army as a career. There are four types of scholarships: Four-year, Three-year, Two-year, and One-year. Each scholarship provides tuition, textbooks, and laboratory fees in addition to paying a $100.00 subsistence allowance per month for the period that the scholarship is in effect.

Four-year scholarships are offered to select young men and women who have graduated from high school or received equivalent credit from an acceptable state or national agency. Applicants must be enrolled in or acceptable for enrollment in the University. Students desiring to apply for the Four-year Scholarship must do so between April 1 and November 15 of the year before the scholarship is to begin. Information and application packets for the Four-year Scholarship may be obtained from the high school counselor or by writing to:

Army ROTC
P.O. Box 12703
Philadelphia, PA 19134

The Department of the Army will select all four-year scholarship recipients.

Three-year scholarships are available to students who have completed their first year of Army ROTC. Two-year scholarships are available to students who have completed the Basic Course of Military Science and have been accepted for enrollment in the Advanced

Course. One-year scholarships are available to Advanced Course students who have completed their third year of Army ROTC.

Students desiring to apply for the One-year, Two-year, or Three-year scholarships will do so through the Professor of Military Science at the University. Applicants will be screened by a scholarship committee and selections will be forwarded to the Department of the Army for final selection.

DEPARTMENT OF PHILOSOPHY AND RELIGION

Paul W. Sharkey, Chairman

Burr, DeArmey, Sullivan, F. Wood

The Department of Philosophy and Religion offers programs of study leading to the degrees of Bachelor of Arts and Bachelor of Science with a major in Philosophy, a major in Philosophy and Religion, a minor in Philosophy or a minor in Philosophy and Religion. In general, each of these programs is designed to help students gain a better understanding of themselves, their world, their own beliefs and those of others.

The major in Philosophy offers both breadth and depth in philosophical training for students interested in pursuing graduate study in philosophy as well as for those majoring in philosophy as a pre-professional program in law, medicine, or other related fields.

The Philosophy and Religion major offers and encourages breadth in the philosophical and scholarly study of the phenomenon of religion for students interested in pursuing the academic study of religion at the graduate level, or as a pre-professional program for the ministry, religious education, or counseling.

REQUIREMENTS FOR A MAJOR IN PHILOSOPHY

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language	6
History 101, 102	6
Math	3
Philosophy 151	3
Philosophy 253	3
Physical Education or ROTC/AFROTC	2
Speech Communication 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English 203 and 204 or 301	6
Foreign Language	6
General Elective	3
Geography or Political Science	3
Philosophy 310	3
Philosophy 312	3
Science	6
	33

JUNIOR YEAR	SEM. HRS.
Anthropology or Sociology	3
English 334	3
General Electives	9
Minor	9
Philosophy 356	3
Philosophy Electives	6
	33

SENIOR YEAR	SEM. HRS.
General Electives	12
Minor	9
Philosophy Electives	9
	30
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Geography or Speech Communication 111	3
History 101, 102	6
Math	3
Philosophy 151	3
Philosophy 253	3
Physical Education or ROTC/AFROTC	2
Science	6
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
Anthropology or Sociology	3
Economics or Political Science	3
English 203 and 204 or 301	6
General Elective	3
Philosophy 310	3
Philosophy 312	3
Psychology or Health and Safety Education 101	3
Science	6
	33

JUNIOR YEAR	SEM. HRS.
English 334	3
General Electives	6
Minor	9
Philosophy 356	3
Philosophy Electives	6
Social Science Elective	6
	33

SENIOR YEAR	SEM. HRS.
General Electives	12
Minor	9
Philosophy Electives	9
	30

TOTAL: 128

Students wishing to minor in Philosophy (PHI) are required to complete eighteen (18) semester hours in philosophy including PHI 151, 253, 356, and at least one course in the history of philosophy. The remaining six (6) semester hours are to be selected from upper division offerings in philosophy in consultation with a departmental adviser.

REQUIREMENTS FOR A MAJOR IN PHILOSOPHY AND RELIGION

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language	6
History 101, 102	6
Math	3
Philosophy 151 or Religion 131	3
Physical Education or ROTC/AFROTC	2
Religion 333	3
Speech Communication 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English 203 and 204	6
Foreign Language	6
General Electives	3
Geography or Political Science	3
Philosophy 372	3
Religion 335	3
Science	3
	33

JUNIOR YEAR	SEM. HRS.
Anthropology or Sociology	3
English 334	3
General Electives	9
Minor	9
Philosophy 352	3
Philosophy or Religion Electives	6
	33

SENIOR YEAR	SEM. HRS.
General Electives	9
Minor	9
Philosophy or Religion Electives	12
	30

TOTAL: 128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Geography or Speech Communication 111	3
History 101, 102	6
Math	3
Philosophy 151 or Religion 131	3
Physical Education or ROTC/AFROTC	2
Religion 333	3
Science	6
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
Anthropology or Sociology	3
Economics or Political Science	3
English 203 and 204	6
General Electives	3
Philosophy 372	3
Psychology or Health and Safety Education 101	3
Religion 335	3
Science	6
	33

JUNIOR YEAR	SEM. HRS.
English 334	3
General Electives	6
Minor	9
Philosophy 352	3
Philosophy or Religion Electives	6
Social Science Electives	6
	33

SENIOR YEAR	SEM. HRS.
General Electives	12
Minor	9
Philosophy or Religion Electives	9
	30
TOTAL:	128

Students wishing to minor in Philosophy and Religion are required to complete eighteen (18) semester hours in philosophy and religion including either PHI 151 or REL 131 and PHI 372 and at least one course in the Eastern and one course in the Western religious traditions. The remaining six (6) semester hours are to be selected in consultation with a departmental adviser.

DEPARTMENT OF POLITICAL SCIENCE

William H. Hatcher, Chairman

Caudill, Gjestland, Lea, Marquardt, Parker,

Van Wingen, Waltman, Wheat, Wolfe

The Department of Political Science offers majors and minors in Political Science and Paralegal Studies, and an emphasis in Pre-Law Studies.

A MAJOR IN POLITICAL SCIENCE

The Political Science major is designed to prepare students for careers in national, state, and local governments, teaching and international service, among others. The department offers courses leading to the Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, Master of Philosophy, and Doctor of Philosophy degrees.

In addition to PS 101 (American Government), the Political Science major must take at least one course from five of the six fields of Political Science. The remaining twelve hours are electives in Political Science. See below.

The Six Fields of Political Science

Political Theory: 320, 420, 421, 425.
American Government and Politics: 301, 302, 303, 401, 402, 404, 406, 407, 408, 409.
International Relations: 330, 331, 431, 432, 434, 435.
Comparative Government: 351, 450, 451, 452, 453, 455, 456, 458.
Public Administration: 370, 375, 471, 472, 473, 474.
Public Law: 380, 381, 382, 383, 389, 480, 481, 482, 484, 485, 489.

REQUIREMENTS FOR A MINOR IN POLITICAL SCIENCE

The department recommends that the minor (18 hours) include courses from at least four of the six fields.

Teacher Certification

Political Science majors who wish to secure certification to teach in the secondary schools can do so by taking the appropriate education and social science courses.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN POLITICAL SCIENCE

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language	6
History 101 and 102 or 140 and 141	6
Mathematics	3
Political Science 101	3
Science	6
Social Science and Humanities (Allied Arts 100, or Music 365, anthropology, geography, Philosophy, speech communication, or sociology.)	3
	33

SOPHOMORE YEAR	SEM. HRS.
English	6
Foreign Language	6
Physical Education or ROTC/ AFROTC	2
Political Science 220	3
Political Science (300 level)	3*
Social Science and Humanities (Allied Arts 100, or Music 365, anthropology, geography, philosophy, speech communication, or sociology.)	9
Elective	3
	32

JUNIOR YEAR	SEM. HRS.
English (300 level)	3
Political Science	9*
Minor	9
Electives	12
	33

SENIOR YEAR	SEM. HRS.
Political Science	12*
Minor	9
Electives	9
	30
TOTAL:	128

*Political Science majors must take at least one course from five of the six fields of the discipline. The remainder of the Political Science courses are electives. See above.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN POLITICAL SCIENCE

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
History 101 and 102 or 140 and 141	6
Mathematics	3
Political Science 101	3
Science	6
Social Science and Humanities (Allied Arts 100 or Music 365, anthropology, economics, geography, health and safety education, philosophy,	

SOPHOMORE YEAR	SEM. HRS.
English	6
Physical Education or ROTC/ AFROTC	2
Political Science 220	3
Political Science (300 level)	3*
Science	6
Social Science and Humanities (Allied Arts 100 or Music 365, anthropology, economics, geography, health and safety education, philosophy,	

political science, psychology, sociology or speech communication.)	9
	33

JUNIOR YEAR	SEM. HRS.
English (300 level or above)	3
Political Science	9*
Minor	9
Electives	12
	33

political science, psychology, sociology, or speech communication.)	12
	32

SENIOR YEAR	SEM. HRS.
Political Science	12*
Minor	9
Electives	9
	30
TOTAL:	128

*Political Science majors must take at least one course from five of the six fields of the discipline. The remainder of the Political Science courses are electives. See above.

PARALEGAL STUDIES

Ronald G. Marquardt, Director

The Paralegal field is a new profession designed to aid attorneys to deliver legal services more efficiently. Legal assistants are currently being hired for positions in business, private law firms, and government.

A major in Paralegal Studies requires that a student complete the College of Liberal Arts Core requirements for a Bachelor of Arts or Bachelor of Science degree plus a minor.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN PARALEGAL STUDIES

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language	6
History 101 and 102 or History 140 and 141	6
Mathematics	3
Science	6
Social Science and Humanities (Allied Arts 100 or Music 365, anthropology, geography, philosophy, speech communication, political science, or sociology)	6
	33

SOPHOMORE YEAR	SEM. HRS.
Accounting 201	3
English	6
Foreign Language	6
General Business Administration 295	3
Physical Education or ROTC/AFROTC	2
Political Science 381	3
Political Science 383	3
Social Science and Humanities (Allied Arts 100 or Music 365, anthropology, geography, philosophy, speech communication, political science, or sociology)	6
	32

JUNIOR YEAR	SEM. HRS.
Criminal Justice 330 and 430	6
English 333	3
Management 360	3
Minor	9
Political Science 380	3
Political Science 389	3
Real Estate and Insurance 340	3
Elective	3
	33

SENIOR YEAR	SEM. HRS.
Business Education 460 or Management 364 or 454	3
Political Science 480 or 489	3
Political Science 481	3
Minor	9
Electives	12
	30
TOTAL:	128

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN PARALEGAL STUDIES

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
History 101 and 102 or History 140 and 141	6
Mathematics	3
Science	6
Social Science and Humanities (Allied Arts 100 or Music 365, anthropology, economics, geography, health and safety education, philosophy, political science, psychology, sociology, or speech communication)	12
	33

SOPHOMORE YEAR	SEM. HRS.
Accounting 201	3
English	6
General Business Administration 295	3
Physical Education or ROTC/AFROTC	2
Political Science 381	3
Social Science and Humanities (Allied Arts 100 or Music 365, anthropology, economics, geography, health and safety education, philosophy, political science, psychology, sociology, or speech communication)	9
	32

JUNIOR YEAR	SEM. HRS.
Criminal Justice 330 and 430	6
English 333	3
Political Science 380	3
Political Science 383	3
Political Science 389	3
Management 360	3
Real Estate and Insurance 340	3
Minor	9
	33

SENIOR YEAR	SEM. HRS.
Business Education 460 or Management 364 or 454	3
Political Science 480 or 489	3
Political Science 481	3
Electives	12
Minor	9
	30
TOTAL:	128

Requirements for an Emphasis in Pre-Law

Ronald G. Marquardt and James Wolfe, Advisers

The requirements for admission to law schools vary slightly, and a pre-law student should obtain the entrance requirements from the school of his choice. In general, law schools expect a student to possess a bachelor's degree with a major in a content field.

All law schools require their students to be able to express themselves well in written composition. Therefore, a student who is weak in composition should take extra composition courses.

When a student first arrives, he should go to a pre-law adviser each time he registers, but when he selects a major, he should get an adviser from that department and thereafter see the pre-law adviser only regarding special problems.

After consultation with law school administrators and practicing attorneys, it is recommended that students add these courses as electives in meeting their curriculum requirements. The following is a suggested course sequence.

FRESHMAN YEAR	SEM. HRS.
Accounting 201	3
Economics 255	3

SOPHOMORE YEAR	SEM. HRS.
English 300	3
Political Science 380 or General Business Administration 295 or Criminal Justice 330	3

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Political Science 383	3	Political Science 480 or 489	3
English 333	3	Political Science 301, 407 or 481 or Philosophy 453	3

DEPARTMENT OF RADIO, TELEVISION, AND FILM

James L. Hall, Chairman

Albers, R.B. Cade, D. Goff, Mott

The Department of Radio, Television, and Film offers a student an opportunity to study for a career in Broadcast Journalism, Broadcast Management and Sales, Radio-Television Production, and Film. The department also participates in an interdisciplinary advertising program. The Bachelor of Arts and the Bachelor of Science degrees are offered in these areas of concentration.

Federal Communications Commission regulations require that certain employees of radio and television stations must be licensed by the Commission. There are three classes of licenses: Third Class Radiotelephone License; Second Class Radiotelephone License; and First Class Radiotelephone License. To obtain a license, the applicant must appear before the Commission and pass a written examination. Students preparing for the Third Class License examination should enroll in RTF 311, **Radio Production.** Students seeking the Second and First Class licenses should select the Interdisciplinary Minor Program listed below.

The Internship Program provides the student with supervised study and experience in one of the mass media: radio, television, or film. Selected students are given the opportunity to observe and to analyze the methods, techniques, and creative processes of professionals. The scope of the internship may be highly specialized, one in which the student remains with one departmental operation, or it may be varied, in which case the student ranges throughout the professional organization and learns about the functions of several jobs. The student must originate, and submit in writing, a proposal or description of his internship. The prospectus, signed by both a representative of professional management and the Radio, Television, and Film faculty member involved, serves as a contractual agreement and reminder for the student as to the nature of the internship. Students employed by a station or film production company on a part-time basis during the academic year cannot receive academic credit for work they are already doing for pay.

REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM

The major in Radio, Television, and Film consists of a minimum of thirty-six (36) semester hours of course work. An overall 2.0 grade point average, and a 2.5 grade point average in radio, television, and film courses, is required for graduation. A grade of **C** or better must be earned in all sequential courses. For example, in the Television Production sequence (RTF 340, 440, 447), a student must earn at least a **C** in RTF 340 before advancing to RTF 440; a **C** in RTF 440 before advancing to RTF 447. The Radio Production sequence is RTF 311, 411 and Film Production includes RTF 271, 371, 375, 377, 471, 477.

All Radio, Television, and Film majors are required to take the following courses:

	Hours
General Core for the College of Liberal Arts	60
Departmental Requirements	
RTF 200, 271, 311, 340	12
Emphasis Area in RTF	24

Additional departmental course work should be considered by each student in consultation with his adviser with an intended goal of the fullest possible career preparation.

REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
English 101, 102 (English 100 does not satisfy core requirements)	6	English 203, 204	6
Foreign Language	6	Foreign Language	6
History 140, 141	6	Mathematics 101 or 120	3
Other Liberal Arts Core Requirements	6	Other Liberal Arts Core Requirements	9
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2	Radio, Television, and Film 311, 340	6
Radio, Television, and Film 200, 271	6		
	32		33

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
English 101, 102 (English 100 does not satisfy core requirements)	6	English 203, 204	6
History 140, 141	6	Mathematics 101 or 120	3
Other Liberal Arts Core Requirements	6	Other Liberal Arts Core Requirements	9
Physical Education or ROTC/AFROTC (this requirement may also be met by participation in varsity athletics or associated activities)	2	Radio, Television, and Film 311, 340	6
Radio, Television, and Film 200, 271	6	Science	6
Science	6		
	32		30

Requirements for an Emphasis in Broadcast Journalism

All students desiring an emphasis in Broadcast Journalism should complete the following requirements in addition to those listed in the section above entitled REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM.

Minor Requirements

Students preparing for careers in Broadcast Journalism should seek a minor in journalism or photojournalism.

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
English 332 or 333	3	Minor Area	9
Journalism 102	3	Other Liberal Arts Core Requirements	3
Minor Area	9	Radio, Television, and Film 472, 360, 460, 418	12
Radio, Television, and Film 302, 320, 371, 440	12	Electives	6
Electives	6		30
	33		

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
English 332 or 333	3	Minor Area	9
Journalism 102	3	Other Liberal Arts Core Requirements	3
Minor Area	9	Radio, Television, and Film 472, 360, 460, 418	12
Radio, Television, and Film 302, 320, 371, 440	12	Electives	6
Electives	6		30
	33		

Requirements for an Emphasis in Broadcast Management and Sales

All students desiring an emphasis in Broadcast Management and Sales should complete the following requirements in addition to those listed in the section above entitled REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM.

Minor Requirements

Depending on specific career goals, students should seek a minor in business administration, finance, management, marketing, or accounting.

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
English 332, 333 or 334	3	Minor Area	9
Minor Area	9	Radio, Television, and Film 425, 431, 460, 302 or 418	12
Radio, Television, and Film 330, 360, 407, 416	12	Electives	12
Electives	6		33
	30		

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
English 332, 333 or 334	3	Minor Area	9
Minor Area	9	Radio, Television, and Film 425, 431, 460, 302 or 418	12
Radio, Television, and Film 330, 360, 407, 416	12	Electives	12
Electives	6		33
	30		

Requirements for an Emphasis in Radio-Television Production

All students desiring an emphasis in Radio-Television Production should complete the following requirements in addition to those listed in the section above entitled REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM. The curriculum in Radio-Television Production is designed to prepare students for careers in radio stations and in advertising agencies. Students are required to have 120 clock hours of "on the air" broadcasting experience at WMSU.

Minor Requirements

Depending on the student's career plans, he should seek a minor in theatre, music, or art, or the interdisciplinary minor.

Interdisciplinary Minor Program for FCC Advanced Licenses

The Interdisciplinary Minor Program is designed to meet the needs of students pursuing Federal Communications Commission radiotelephone license examinations:

	Hours
Mathematics 103, 276	6
Industrial and Vocational Education 301, 302, 303	9
Physics 327, 328, 444	9

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
English 332 or 333	3	Minor Area	9
Minor Area	9	Radio, Television, and Film 447, 460, 442	9
Radio, Television, and Film 320, 330, 360, 411	12	Electives	15
Electives	9		
	33		33

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
English 332 or 333	3	Minor Area	9
Minor Area	9	Radio, Television, and Film 447, 460, 442	9
Radio, Television, and Film 320, 330, 360, 411	12	Electives	15
Electives	9		
	33		33

Requirements for a Minor in Radio, Television, and Film

All students pursuing a minor in Radio, Television, and Film must complete eighteen (18) semester hours of RTF courses. Courses required to meet this standard are as follows:

	Hours
Radio, Television, and Film 200, 271, 311, 340	12
Radio, Television, and Film Electives	6
	18

Requirements for an Emphasis in Film

All students desiring an emphasis in Film should complete the following requirements in addition to those listed in the section above entitled REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM. The curriculum in Film is designed to prepare

students for positions with television stations, film units, motion picture production companies, industrial in-house film units, and federal and state agencies.

Minor Requirements

Depending on the student's career plans he should seek a minor in English, theatre, art, sociology, or journalism. With concurrence of his adviser, a student may elect an interdisciplinary minor by completing six courses in English, business administration, theatre, art, sociology, or journalism.

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.
English 321 or 332	3
Minor Area	9
Other Liberal Arts Core Requirements	3
Radio, Television, and Film 371, 270 or 370, 377 and an RTF Elective	12
Electives	6
	33

SENIOR YEAR	SEM. HRS.
Minor Area	9
Radio, Television, and Film 375, 471, 472, 418 or 492	12
Electives	12
	33

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.
English 321 or 332	3
Minor Area	9
Other Liberal Arts Core Requirements	6
Radio, Television, and Film 371, 270 or 370, 377 and an RTF Elective	12
Electives	3
	33

SENIOR YEAR	SEM. HRS.
Minor Area	9
Radio, Television, and Film 375, 471, 472, 418 or 492	12
Electives	12
	33

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

John N. Burrus, Chairman

Bourgeois, Edwards, Heisler, Himelstein, Panko

Ramke, Sever, Thagard, Williamson, Winn

A suggested selection of courses is listed for each year. These include required and elective courses for majors in sociology, under-graduate social work emphasis, and anthropology. The sequence of many courses can be modified with the approval of the academic adviser. Many courses have prerequisites. Always check catalog descriptions to determine this. Certain courses are regularly scheduled for fall semester or spring semester. Students should note this and plan schedules to include the needed courses; this is especially true if one's schedule anticipates the completion of academic work in December or August.

Students will need to schedule 15 to 18 hours (5 or 6 courses) per semester in order to graduate in a regular eight-term (4 year) schedule. Transfer students should schedule any needed core courses as early as possible after entering.

MAJOR IN SOCIOLOGY

The Department of Sociology and Anthropology offers a major and minor in sociology. A minimum of twenty-seven (27) semester hours (beyond SOC 101) is required for the major. Twenty-one (21) hours are needed for the minor. The sociology major may chose one of two emphases: (1) general sociology or (2) social work.

Core curricula of the University, the College of Liberal Arts, and for the Bachelor of Science or Bachelor of Arts degree programs should be followed with care. Sociology majors who wish to certify to teach on the secondary education level should take note of the requirements outlined below. It should be noted that a student may certify to teach even though enrolled in the College of Liberal Arts.

Sociology majors will complete a minor of twenty-one (21) hours in another field of their choice. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

Sociology 101 is a prerequisite to all other course offerings.

Requirements for the General Sociology Major

	Hours
Theory (Choice of two: SOC 450, 471, 480, 481, or 482)	6
Methods (SOC 460 and 462)	6
Demography (SOC 461)	3
Social Organization (Choice of two: SOC 300, 310, 311 or 314)	6
Sociology Electives	6

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
Core Electives	3
English 101, 102	6
Foreign Language	6
History	6
Mathematics 101 or120	3
Physical Education	2
Sociology	3
	29

SOPHOMORE YEAR	SEM. HRS.
Core Electives	9
Electives	3
English 203, 204	6
Foreign Language	6
Science	6
Sociology	6
	36

JUNIOR YEAR	SEM. HRS.
Electives	6
English 332 or 334	3
Minor	12
Sociology	
Electives	3
Methods 460	3
Organization 300, 310, 311, or 314	3
Theory 450, 471, or 480	3
	33

SENIOR YEAR	SEM. HRS.
Electives	12
Minor	9
Sociology 461	3
Sociology 462	3
Sociology 481 or 482	3
	30
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
Core Electives	3
English 101, 102	6
History 101, 102 or 140, 141	6
Mathematics 101, 120	3
Physical Education	2
Science	6
Sociology 101	3
	29

SOPHOMORE YEAR	SEM. HRS.
Core Electives	15
Elective	3
English 203, 204	6
Science	6
Sociology Elective	3
Sociology	3
(300, 310, 311, or 314)	3
	36

JUNIOR YEAR	SEM. HRS.
Core Elective	3
English	3
Minor	12
Sociology	
Electives	6
Research Methods 460	3
Social Organization 300, 310, 311, or 314	3
Theory 450, 471, or 480	3
	33

SENIOR YEAR	SEM. HRS.
Core Electives	12
Minor	9
Sociology	
461	3
462	3
481 or 482	3
	30
TOTAL:	128

MAJOR IN SOCIOLOGY WITH SOCIAL WORK EMPHASIS

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
Anthropology 101 or 212	3
Core Elective	3
English 101, 102	6
History	6
Mathematics	3
Physical Education	2
Science 104, 105 or Laboratory Science	6
Sociology 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Core Elective	3
English 203, 204	6
Foreign Language	6
Minor	6
Psychology 110	3
Sociology 230, 240	6
Sociology 310 or 311	3
	33

JUNIOR YEAR	SEM. HRS.
Core Subjects	9
English 300 or 301	3
Foreign Language	6
Minor	6
Sociology	
330	3
331	3
480, 481, or 482	3
	33

SENIOR YEAR	SEM. HRS.
Electives	6
Minor	9
Sociology	
460	3
433	9
480, 481, 482	3
	30
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
Core Subjects	6
English 101, 102	6
History 101, 102 or 140, 141	6
Mathematics 100 or 120	3
Physical Education	2
Science	6
Sociology 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Core (4 Courses)	12
English 203, 204	6
Science	6
Sociology	
230	3
240	3
310 or 311	3
	33

JUNIOR YEAR	SEM. HRS.
Core	3
Electives	6
English 332, 333, or 334	3
Minor	12
Sociology 330, 331	6
480, 481, or 482	3
	33

SENIOR YEAR	SEM. HRS.
Electives	6
Minor	9
Sociology	
460	3
433	9
480, 481, or482	3
	30
TOTAL:	128

GENERAL SOCIOLOGY MAJOR

With Fulfillment of Requirements

for Certification in Secondary Education

The general sociology major who elects secondary education as a minor must satisfy all requirements of the University and Liberal Arts cores. In addition, such a student must take the following courses in the major and minor.

I. **MAJOR: SOCIOLOGY (SOC)** (27 semester hours or 9 courses above and in addition to the introductory course).

AREA	Hours
Theory: SOC 450, 471, 480, 481, 482	6
Methods: SOC 460, 462	6
Demography: SOC 461	3
Social Organization: SOC 300, 310, 311, 314	6
Sociological Electives:	6
Any of the above not taken for a requirement and in addition, SOC 240, 340, 341, 350, 355, 421, 424, 426, 444.	

II. **MINOR: SECONDARY EDUCATION** (27 semester hours)
REF 400, EPY 372, EPY 374, REF 469, CIS 458, CIS 313, CIS 488 (9 hours). After September 1, 1981, the following professional education courses must be added to those listed above to meet the new requirements:

CIS 310 - Junior-Senior High School Reading Methods (3 sem. hrs.)

SPE 400 - The Psychology and Education of the Exceptional Child (3 sem. hrs.)

CIS 422 - Curriculum Development for Career Education (3 sem. hrs.)

Additional courses needed for state certification: World History (6 hours), American History (6 hours), Mississippi History (3 hours),Economics (6 hours), Political Science (6 hours), Geography (6 hours), Sociology (3 hours), plus 6 hours Social Studies electives other than Religion, Psychology, or Philosophy.

MAJOR IN ANTHROPOLOGY

A major in Anthropology (ANT) will require a minimum of thirty (30) hours in anthropology, including ANT 101 or 212, and three of the following courses: ANT 201, 204, 311, and SOC 460.

Anthropology majors will complete a minor of twenty-one (21) hours in another field of their choice.

For majors in other disciplines desiring to minor in anthropology, a minimum of twenty-one (21) semester hours including ANT 101 or 212 and 413.

REQUIREMENTS FOR A MAJOR IN ANTHROPOLOGY

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
Anthropology 101 or 212	3
Core Elective	3
English 101, 102	6
Foreign Language	6
History	6
Mathematics 101 or 120	3
Physical Education	2
	29

SOPHOMORE YEAR	SEM. HRS.
Anthropology 201, 204, 212, or 311	6
Core Electives	9
Elective	3
English 203, 204	6
Foreign Language	6
Science	6
	36

JUNIOR YEAR	SEM. HRS.
Anthropology 201, 204, or 311	6*
Elective in Anthropology	3
Electives (Core Completion)	12
English 332, 333, or 334	3
Minor	9
*Sociology 460 may be substituted for 3 hours	
	33

SENIOR YEAR	SEM. HRS.
Anthropology	6
Electives in Anthropology	6
Electives	6
Minor	12
	30
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
Anthropology 101 or 212	3
Core Elective	3
English 101, 102	6
History 101, 102, or 140, 141	6
Mathematics 101, 120	3
Physical Education	2
Science	6
	29

SOPHOMORE YEAR	SEM. HRS.
Anthropology 201, 204, or 311	6
Electives in Anthropology	3
Electives (Core)	15
English 203, 204	6
Science	6
	36

JUNIOR YEAR	SEM. HRS.
Anthropology 312, 313, 314, or 315	3*
Anthropology 305, 310, 401 or 316 as per Advisement	6
English 332, 333, or 334	3

SENIOR YEAR	SEM. HRS.
Anthropology 403, 404, 415 or 304, 310, or 401	6
Anthropology Elective	3
Archeology or Cultural Anthropology	3

Minor	12	Electives	9
Remaining Core	6	Minor	12
*Sociology 460 may be substituted			
	30		33
		TOTAL:	128

The required and recommended courses vary among the three fields (Cultural Anthropology, Physical Anthropology, and Archeology). After the student has made his choice among these he should work closely with an anthropology adviser to schedule the required courses and to choose among the anthropology electives.

A. MINOR IN ASIAN STUDIES

M. Winn, Director

An emphasis in Asian Studies leads to an interdisciplinary minor within the Departments of Sociology and Anthropology, Foreign Languages, Geography and Area Development, History, Philosophy and Religion, and Political Science. The program is primarily designed for students who seek preparation for positions with the United National Organization or with the United States Government in this or a foreign country, for careers in business and private organizations having overseas interests, for teaching, and for research projects in archaeology, anthropology, and other fields undertaken in cooperation with a university or museum.

Requirements for Minor

A minor in Asian Studies requires a total of eighteen (18) semester hours to be selected from no less than three of the following academic areas. (All courses listed below carry three hours of credit.)

ANT 314, 316, 411, 492	HIS 301
FL 400 (May be repeated up to a total of 6 hours for Japanese, Sanskrit, or any other Oriental Language.)	PHI 352, 492
	PS 453
	REL 435
	GHY 407

DEPARTMENT OF SPEECH AND HEARING SCIENCES

Robert C. Thomas, Chairman

Adams, DuBard, Lehrer, McClelland, Rhodes, Scanio, Schaub

Pre-Professional Program in Speech/Language Pathology and Audiology

This undergraduate curriculum is designed to provide a foundation for meeting the Mississippi State Department of Education certification requirements in speech and hearing. Beginning September 1, 1981, the minimum certification level for Speech-Language Clinicians and School Audiologists will be Class AA, which requires a master's degree. Therefore, it must be understood that the undergraduate portion of this training, described below, will **not** lead to eligibility for certification by the Mississippi State Department of Education. Eligibility for certification will be achieved upon completion of the master's degree in Speech/Language Pathology or Audiology. See the **Graduate Bulletin** for information relating to admission requirements for graduate study. Students considering public school employment in states other than Mississippi are urged to become familiar with the certification requirements in those states.

Undergraduate Program in Education of the Deaf

Bachelor of Arts teaching degrees and Bachelor of Science teaching degrees are offered

by the department. Students wishing to meet the Class A certification requirements of the Mississippi State Office of Education in the area Hearing Impaired may do so by following the degree plans described in this section under Education of the Deaf.

The Department of Speech and Hearing Sciences is concerned with the body of knowledge and scientific study that pertains to both normal and abnormal speech, hearing, and language. The department provides the environment in which information in this area can be advanced effectively and knowledge can be disseminated.

A Speech and Hearing Clinic, a School for Children with Language Disorders, and a School for Children with Impaired Hearing are administered by the Department of Speech and Hearing Sciences to provide remedial services, educational and training experience for students, and settings for clinical research. An Acoustics Laboratory is operated by the department for the purpose of conducting pure and applied research dealing with speech and auditory processes. In addition, the department has working agreements with several off-campus clinical facilities around the state for clinical practicum experience.

REQUIREMENTS FOR PRE-PROFESSIONAL BACHELOR OF ARTS DEGREE PROGRAM IN SPEECH/LANGUAGE PATHOLOGY OR AUDIOLOGY

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Foreign Language	6
History 101 and 102 or 140 and 141	6
Mathematics 101 or 120	3
Psychology 110	3
Speech Communication 111	3
Physical Education (or substitute)	2
Speech & Hearing Sciences 101	1
Science	3
	33

SOPHOMORE YEAR	SEM. HRS.
English 300 and 203 or 204	6
Foreign Language (fewer hours may suffice depending upon placement)	3
Speech & Hearing Sciences 201	3
Speech & Hearing Sciences 202	3
Speech & Hearing Sciences 211	3
Speech & Hearing Sciences 221	3
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 110, Music 365, anthropology, geography, political science, philosophy, sociology)	9
	33

JUNIOR YEAR	SEM. HRS.
English 332, 333, or 334	3
Research & Foundations 400	3
Special Education 310	1
Special Education 400	3
Speech & Hearing Sciences 401	3
Speech & Hearing Sciences 402	3
Speech & Hearing Sciences 403	3
Speech & Hearing Sciences 411	3
Speech & Hearing Sciences 419	3
Electives	9
	34

SENIOR YEAR	SEM. HRS.
Educational Psychology 370 or 372 and 374	6
Speech & Hearing Sciences 412	3
Speech & Hearing Sciences 414	3
Speech & Hearing Sciences 421	3
Speech & Hearing Sciences 431	3
Speech & Hearing Sciences 432	3
Speech & Hearing Sciences 433 or 438	3
Electives	6
	30
TOTAL:	130

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN EDUCATION OF THE DEAF

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100, or Music 365	3
English 101 & 102	6
Foreign Language	6
History 101 & 102 or 140 & 141	6
Mathematics 101 or 210	3
Physical Science (FS 104 & 105 acceptable)	6
Psychology 110	3
Physical Education (or substitute)	2
Speech & Hearing Sciences 101	1
	36

SOPHOMORE YEAR	SEM. HRS.
Biological Sciences (FS 106 and FS 107 acceptable)	6
English 300 & 203 or 204	6
Foreign Language (fewer hours may suffice, depending upon placement)	6
Health & Safety Education 101	3
Other courses (from the following areas, with no more than three from any one area: anthropology, geography, political science, sociology)	6
Speech Communication 111	3
Research & Foundations 400	3
	36

JUNIOR YEAR	SEM. HRS.
Counseling Psychology 422	3
Educational Psychology 370 or 372	3
English 332 or 334	3
Research & Foundations 416	3
Special Education 310	1
Special Education 400	3
Speech & Hearing Sciences 401	3
Speech & Hearing Sciences 421	3
Speech & Hearing Sciences 422	3
Speech & Hearing Sciences 424	3
Speech & Hearing Sciences 425	3
Speech & Hearing Sciences 427	3
Speech & Hearing Sciences 433	3
Speech & Hearing Sciences 492	3
	40

SENIOR YEAR	SEM. HRS.
Educational Psychology 374	3
Research & Foundations 469	3
Special Education 311	5-7
Special Education 486	6-9
Speech & Hearing Sciences 435	3
Speech & Hearing Sciences 436	3
Speech & Hearing Sciences 437	3
Speech & Hearing Sciences 438	3
Speech & Hearing Sciences 439	3
	32-37
TOTAL:	144-149

REQUIREMENTS FOR PRE-PROFESSIONAL BACHELOR OF SCIENCE DEGREE PROGRAM SPEECH/LANGUAGE PATHOLOGY OR AUDIOLOGY

FRESHMAN YEAR	SEM. HRS.
English 101 & 102	6
History 101 & 102 or 140 & 141	6
Mathematics 101 or 120	3
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography)	6
Physical Education (or substitute)	2
Science	9
Speech & Hearing Sciences 101	1
	33

SOPHOMORE YEAR	SEM. HRS.
English 300 & 203 or 204	6
Other courses (from the following areas, with no more than three hours from any one area: Health and Safety Education 101, philosophy, political science, sociology)	9
Psychology 110	3
Speech Communication 111	3
Speech & Hearing Sciences 201	3
Speech & Hearing Sciences 202	3
Speech & Hearing Sciences 211	3
Speech & Hearing Sciences 221	3
	33

JUNIOR YEAR	SEM. HRS.
English 332, 333, or 334	3
Research & Foundations 400	3
Special Education 310	1
Special Education 400	3
Speech & Hearing Sciences 401	3
Speech & Hearing Sciences 402	3
Speech & Hearing Sciences 403	3
Speech & Hearing Sciences 411	3
Speech & Hearing Sciences 419	3
Electives	9
	34

SENIOR YEAR	SEM. HRS.
Educational Psychology 370 or 372 and 374	6
Speech & Hearing Sciences 412	3
Speech & Hearing Sciences 414	3
Speech & Hearing Sciences 421	3
Speech & Hearing Sciences 431	3
Speech & Hearing Sciences 432	3
Speech & Hearing Sciences 433 or 438	3
Electives	6
	30
TOTAL:	130

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN EDUCATION OF THE DEAF

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English 101 & 102	6
Health & Safety Education 101	3
History 101 & 102 or 140 & 141	6
Mathematics 101 or 210	3
Physical Education (or substitute)	2
Physical Science (FS 104 & 105 acceptable)	6
Psychology 110	3
Speech & Hearing Sciences 101	1
	33

SOPHOMORE YEAR	SEM. HRS.
Biological Science (FS 106 & 107 acceptable	6
English 203 & 204	6
Other courses (from the following areas, with no more than three hours from any one area: anthropology, economics, geography, philosophy, political science, sociology)	9
Speech Communication 111	3
Research & Foundations 400	3
Speech & Hearing Sciences 221	3
	30

JUNIOR YEAR	SEM. HRS.
Educational Psychology 370 or 372	3
English 300	3
Research & Foundations 416	3
Special Education 310	1
Special Education 400	3
Speech & Hearing Sciences 401	3
Speech & Hearing Sciences 421	3
Speech & Hearing Sciences 422	3
Speech & Hearing Sciences 424	3
Speech & Hearing Sciences 425	3
Speech & Hearing Sciences 433	3
Speech & Hearing Sciences 492	3
	37

SENIOR YEAR	SEM. HRS.
Counseling Psychology 400	3
Educational Psychology 374	3
Research & Foundations 469	3
Special Education 311	5-7
Special Education 486	6-9
Speech & Hearing Sciences 427	3
Speech & Hearing Sciences 435	3
Speech & Hearing Sciences 436	3
Speech & Hearing Sciences 437	3
Speech & Hearing Sciences 438	3
Speech & Hearing Sciences 439	3
	38-43
TOTAL:	138-143

DEPARTMENT OF SPEECH COMMUNICATION

Richard L. Conville, Chairman
Byrd, Chatham, L. Goff, Gwin, Lehrer
Shands, Tardy, Tucker

The Department of Speech Communication offers the Bachelor of Arts and the Bachelor of Science degrees. Speech Communication majors planning to teach in high school should choose the Speech Communication Education emphasis. These options are explained in detail below.

The course schedules presented below are intended to aid in planning programs of study here at the University. While students may not take the designated courses at the designated times, nevertheless the course schedules provides a clear picture of what is expected in the various majors.

REQUIREMENTS FOR A MAJOR IN SPEECH COMMUNICATION

The Speech Communication major may be used to achieve four different goals: (1) it is a general preparation for person-oriented careers; (2) it provides a good foundation for graduate school; (3) it is a discipline that may be taught in high school; and (4) it is an appropriate major for the student who wants a general, liberal education.

REQUIREMENTS FOR A MAJOR IN SPEECH COMMUNICATION

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
(English 100 does not satisfy core requirements)	
Foreign Language	6
History 101, 102, or 140, 141	6
Mathematics 101 or 120	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
Science	6
Speech Communication 100 and 210	6
	35

SOPHOMORE YEAR	SEM. HRS.
English 203, 204	6
Foreign Language (fewer hours may suffice depending on placement)	6
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, geography, political science, philosophy, sociology)	12
Speech Communication 111, 112	6
Elective	3
	33

JUNIOR YEAR	SEM. HRS.
English 332 or 333	3
Speech Communication 305, 311	6
Speech Communication 320 or 312	3
Speech Communication elective	3
Elective	3
Minor Requirements	12
	30

SENIOR YEAR	SEM. HRS.
Speech Communication 330, 410, 417, 450	12
Speech Communication electives	6
Elective	3
Minor Requirements	9
	30
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN SPEECH COMMUNICATION

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
History (101 and 102 or 140 and 141 are recommended)	6
Mathematics (101 or 120 is recommended)	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	3
Science	12
Speech Communication 100, 210	6
	35

SOPHOMORE YEAR	SEM. HRS.
English (203 and 204 are recommended)	6
Other courses (from the following areas, with no more than three hours from any one area: Allied Arts 100 or Music 365, anthropology, economics, geography, Health and Safety Education 101, philosophy, political science, psychology, sociology)	21
Speech Communication 111 and 112	6
	33

JUNIOR YEAR	SEM. HRS.
English 332 or 333 is recommended	
Speech Communication 305, 311	6
Speech Communication 320 or 312	3
Speech Communication elective	3
Elective	3
Minor Requirements	12
	30

SENIOR YEAR	SEM. HRS.
Speech Communication 330, 410, 417, 450	12
Speech Communication electives	6
Elective	3
Minor Requirements	9
	30
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN SPEECH COMMUNICATION

Bachelor of Arts Degree

Requirements for an Emphasis in Speech Communication Education

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Fundamentals of Science	12
Foreign Languages	6
History 101, 102 or 140, 141	6
Mathematics 101, 120	3
Physical Education or ROTC/AFROTC	2
(This requirement may	

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English (203 and 204 are recommended)	6
Foreign Languages (fewer hours may suffice, depending on placement)	6
Health and Safety Education 101	3
Psychology 110	3
Social Science	6
Elect two courses from the following disciplines (no more	

also be met by participation in varsity athletics or associated activities.)	
	35

than 3 hours from any one): anthropology, economics, geography, philosophy, political science, sociology, religion (non-teaching majors only)	
Speech Communication 111	3
	30

JUNIOR YEAR*	SEM. HRS.
Curriculum and Instruction 310	3
Educational Psychology 374	3
Educational Psychology 370 or 372	3
English 332 or 333 is	3
History of Mass Media (Journalism or Radio, Television, and Film)	3
Radio, Television, and Film 311 or 340	3
Speech Communication 315, 305	6
Theatre Arts 320	3
Electives (Speech Communication, Journalism, Radio, Television, and Film or Theatre)	6
	33

SENIOR YEAR*	SEM. HRS.
Curriculum and Instruction 313, 459, 496	12
Speech Communication 112 or 330	3
Speech Communication 411 or Radio, Television, and Film 416	3
Theatre Arts 111, 300	6
Electives (Speech Communication, Journalism, Radio, Television, and Film, or Theatre)	6
	33
TOTAL:	128

*Beginning September 1, 1981, nine hours will be added to the professional education requirements. See your adviser for details.

REQUIREMENTS FOR A MAJOR IN SPEECH COMMUNICATION

Bachelor of Science Degree

Requirements for an Emphasis in Speech Communication Education

FRESHMAN YEAR	SEM. HRS.
English 101 and 102 (English 100 does not satisfy core requirements)	6
Fundamentals of Science 104, 105, 106, 107	12
History (101 and 102 or 140 and 141)	
Mathematics 101 or 120	3
Physical Education or ROTC/AFROTC (This requirement may also be met by participation in varsity athletics or associated activities.)	2
	29

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100 or Music 365	3
English (203 and 204 are recommended)	6
Health and Safety Education 101	3
Psychology 110	3
Social Science Elect two courses from the following disciplines (no more than 3 hours from any one): anthropology, economics, geography, philosophy, political science, sociology, religion (non-teaching majors only)	6
Speech Communication 111	3
Electives	9
	33

JUNIOR YEAR*	SEM. HRS.
Curriculum and Instruction 310	3
Educational Psychology 374	3
Educational Psychology 370 or 372	3
English 332 or 333 is recommended	3
History of Mass Media (Journalism or Radio, Television, and Film)	3
Radio, Television, and Film 311 or 340	3
Speech Communication 315, 305	6
Theatre Arts 320	3
Electives (Speech Communication, Journalism, Radio, Television, and Film or Theatre)	6
	33

SENIOR YEAR*	SEM. HRS.
Curriculum and Instruction 313, 459, 496	12
Speech Communication 112 or 330	3
Speech Communication 411 or Radio, Television, and Film 416	3
Theatre Arts 111, 300	6
Electives (Speech Communication, Journalism, Radio, Television, and Film, or Theatre)	9
	33

*Beginning September 1, 1981, nine hours will be added to the professional education requirements. See your adviser for details.

REQUIREMENTS FOR A MINOR IN SPEECH COMMUNICATION

All students pursuing a minor in Speech Communication must complete eighteen (18) semester hours of Speech Communication courses. Courses required to meet this standard are as follows:

	Hours
Speech Communication 305, 330, 410, 450	12
Speech Communication (choose two courses) 312, 320, 350	6
	18

SCHOOL OF LIBRARY SERVICE
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree**
LIBRARY SCIENCE			
	LIBRARY SCIENCE*		BA,BS
		Non-Teaching (BS)	
		Non-Teaching (BA)	
		K-12 Certification (BS)	
		K-12 Certification (BA)	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

SCHOOL OF LIBRARY SERVICE

Onva K. Boshears, Jr., Dean
P.G. Anderson, L.B. Bowers, Boyd, L.F. Lanmon, Laughlin, Long,
Mika, K. Miller, R.P. Thomas, W. Tracy, Walt, Wilder

PURPOSE

The primary purpose of the School of Library Service is to educate students for careers in librarianship and related fields. With the current emphasis on all media formats, the curriculum is planned to prepare future librarians to organize, develop, facilitate, and evaluate a multiplicity of print and non-print resources in varying types of libraries.

ACADEMIC REQUIREMENTS

Any student who satisfies admission requirements to the University through the Office of Admissions is eligible for admission to the School of Library Service. Admission to the School, however, does not constitute admission to a major program within the School. All students majoring within the School must have their major program approved by the Dean of the School of Library Service and a completed program plan on file in the Dean's Office.

In the first two years in the University, the Library Science major is expected to acquire a broad background of general education in the liberal arts and sciences. Library science courses for the undergraduate major or minor are begun in the junior year and completed in the senior year. In addition, library science majors are advised to concentrate elective hours in one subject field, professional area, or langauge in order to qualify for better library positions. Upon completion of a four-year program, a students receives a BA or BS degree with a major in Library Science. After an additional year of graduate study, one can receive the Master of Library Science (MLS) degree. In order to qualify for many professional positions in the library field, a master's degree is required. Consult the **Graduate Bulletin** for information on the graduate program in library service.

Students desiring to prepare for positions in public, college, and special library fields should follow either the Bachelor of Arts or the Bachelor of Science non-teaching degree program. Those planning on entering these fields of librarianship should be advised that they will most probably be required to continue their studies at the master's level in order to obtain a professional level position. Students desiring to become public elementary or

secondary school librarian-media specialists should follow the applicable Bachelor of Science teaching degree program.

The student's choice of a degree program should be determined by his or her career goals, certification requirements, and in consultation with a faculty adviser or the Dean of the School.

REQUIREMENTS FOR ALL STUDENTS ENROLLED IN THE SCHOOL OF LIBRARY SERVICE

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
History 101 and 102 or 140 and 141	6
Mathematics	3
Science (biological science, 6 hours, and physical science, 6 hours)*	12
*The Fundamentals of Science Series satisfies this requirement.	
Social Science Elective (one course selected from: anthropology, economics, geography, political science, or sociology)	3
	30

SOPHOMORE YEAR	SEM. HRS.
English (two courses 200 level or above)	6
Fine Arts (AA 100)	3
Health and Safety Education 101	3
Library Science 201	3
Physical Education Activity	2
Psychology 110	3
Social Science Electives (two courses selected from: anthropology, economics, geography, political science, or sociology)	6
Speech Communication 111	3
University Forum	1
	30

BACCALAUREATE DEGREES IN LIBRARY SCIENCE

The Bachelor of Arts and the Bachelor of Science degrees are offered in Library Science. Students in the Bachelor of Arts program must complete twelve (12) credit hours in a foreign language. Those students who have completed two (2) years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six (6) semester hours in the same language at the 200 level or above. The Bachelor of Science degree does not have a language requirement. Both baccalaureate degrees may also be used to satisfy the requirements for certification as a school library media specialist. Certification as a school library media specialist in the State of Mississippi requires a library science major of thirty (30) hours. Students from other states should consult with their respective state agencies regarding certification requirements. A non-certification major in library science requires twenty-five (25) credit hours.

REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
History 101 and 102 or 140 and 141	6
Mathematics	3
Science (biological science, 6 hours and physical science, 6 hours)*	12
*The Fundamentals of Science Series satisfies this requirement.	
Social Science Elective (one course selected from: anthropology, economics, geography, political science, or sociology)	3

SOPHOMORE YEAR	SEM. HRS.
English (two courses 200 level or above)	6
Fine Arts (AA 100)	3
Health and Safety Education 101	3
Library Science 201	3
Physical Education Activity	2
Psychology 110	3
Social Science Electives (two courses selected from: anthropology, economics, geography, political science, or	6

	sociology)
	Speech Communication III 3
	University Forum "Man, Science, and Society" Lectures 1
30	30

Non-Certification Emphasis[1]

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Library Science 405, 411, 416	9	Library Science 401, 406, 489	10
Library Science Electives	3	Library Science Electives	3
Minor Requirements	9	Minor Requirements	9
Electives	13	Electives	12
	34		34
		TOTAL:	128

[1]Non-Certification library science students must also complete the requirements for a minor, or a dual major in another field, and enough elective hours from any department of the University to complete the 128 semester hours required for a degree. Students should see their adviser for assistance in planning their minor or dual major.

Certification Emphasis[2]

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Educational Psychology 370 or 372, 374 ..	6	Library Science 401, 406, 411, 426	12
Library Science 405, 408, 409, 416, 417, or 418	15	Library Science Elective	3
Research and Foundations 300	3	Research and Foundations 469	3
Electives (Subject Area Minor)	12	Secondary Education 313, 492	12
		Electives (Subject Area Minor)	6
	36		36
		TOTAL:	132

[2]Certification requirements in the State of Mississippi will change on September 1, 1981. Students should see their adviser or the dean of the School of Library Service for further information concerning certification requirements.

REQUIREMENTS FOR A MINOR IN LIBRARY SCIENCE

Any student from any school or college in the University may elect a minor in Library Science providing he has the approval of his adviser and has officially notified the Office of the Dean of the School of Library Service of his interest in seeking a minor.

A minor is particularly recommended for those students who are majoring in arts and sciences or a professional field such as business but plan on seeking a graduate degree in Library Science after the completion of their baccalaureate studies.

The following 18 hours are suggested for a minor in Library Science: LS 401, 405, 406, 411, 416; electives 3 hours.

Teaching Certification

Although students majoring in Library Science will normally receive their bachelor's degree as offered by the School of Library Service, all students who desire to be certified school librarians—media specialists must also file a program plan with the Teacher Education Program within the College of Education and Psychology and be accepted by the Teacher Education Program. **The National Teachers Examinations are required of all candidates for teaching degrees.**

Advisement

Upon admission to the School, the student is assigned an adviser by the Office of the Dean. His adviser will approve his schedule each semester, provide counsel when necessary and sign his application for degree as the first step toward meeting degree requirements.

Academic Suspensions

Students must maintain the academic standards, as stipulated in the Academic Requirements section of this **Bulletin,** to assure readmission each semester. Academic suspension requires the Dean's approval prior to readmission.

Waiver or Substitution of Major Requirements

Any waiver or substitution of major requirements must be approved by the Dean of the School.

Placement

The School cooperates with the University Placement Services in assisting its graduates in finding positions. The student is expected to establish a file with the Placement Services two semesters before graduation to avail himself of the opportunities to be interviewed or contacted by the many libraries and governmental bodies interested in library science graduates.

Student Organizations and Financial Assistance

The School encourages students to join and actively support the activities of the Library Science Student Association. Students are urged to become student members of the American Library Association and the Mississippi Library Association and to attend meetings of these organizations whenever possible. Often these professional conferences provide job placement services.

Some funds are available exclusively for financial assistance to deserving students in the School of Library Service. Inquiry should be directed to the Dean's Office. Students may also apply for financial assistance by writing to:

Director of Financial Aid
Southern Station, Box 5101
Hattiesburg, Mississippi 39401

SCHOOL OF NURSING
ACADEMIC OFFERINGS

Department	Major	Degree*
NURSING-BACCALAUREATE STUDIES		
	NURSING	BS

*Degree Abbreviation: (BS) Bachelor of Science

SCHOOL OF NURSING

Elizabeth C. Harkins, Dean
Flora L. Bain, Assistant Dean

PURPOSE

The primary purpose of the undergraduate program in nursing is to provide the student with a sound preparation for nursing practice. The Baccalaureate Program offers broad prepartion in general education, as well as education for the professional practice of nursing. Courses in the liberal arts and humanities, the sciences, and the professional components are selected to prepare the student to assume effectively his role as an individual, as a citizen, and as a professional practitioner. The primary purpose of the Continuing Education Program in nursing is to improve nursing by offering opportunities for nurses to expand their knowledge and enlarge their sphere of interest through planned activities.

HISTORY

Following a year of planning and curriculum development, the first students were admitted to the School of Nursing in September, 1967. The School of Nursing received National League for Nursing accreditation in 1969. The first Bachelor of Science degrees with Nursing as a major were conferred in May. 1969.

ACCREDITATION

The School of Nursing program is accredited by the National League for Nursing. The School is approved by the Board of Trustees of State Institutions of Higher Learning and is a member of the National League for Nursing.

BACCALAUREATE PROGRAM

C. Adams, Bates, Benjamin, Bloodsworth, S. Bowman, M. Bryant, Bryson, Cabaniss, C. Carr, S. Carr, Denkler, Dubuisson, Eidson, Farrell, Finnegan, Freeman, Goins, Hayes, Haynie, Herrington, T. Hildman, Hobson, Huch, Hutchinson, S. Kelly, Lester, McHenry, P. Martin, Padgett, Porter, Pouncey, Redwood, Richeson, M. Sisemore, Stokes, Stovall, C. Wilson

The School of Nursing - Baccalaureate Program offers studies leading to the degree of Bachelor of Science in Nursing. Upon completion of the program, the graduate is prepared to practice as a professional nurse in a variety of settings.

ADMISSION

Applicants for admission to the Baccalaureate Program of the School of Nursing must fulfill the general University requirements as described in the Admission section of the **Bulletin.** All entering freshman nursing students must have an ACT score of 18 or higher. All transfer students with less than 18 ACT must have an overall GPA of 2.5 on all work attempted prior to admission to the nursing program and must complete all the courses required in the first year of the nursing curriculum with no less than a C in each of the natural, behavioral, and social science courses before being admitted into the nursing program.

PROMOTION

The School of Nursing has established criteria and procedures governing student progression through the Baccalaureate Program in nursing. The student record is reviewed on a regular schedule to determine eligibility for progression in the program.

STUDENT ADVISEMENT

The faculty are responsible for academic counseling of all students enrolled in the program. Each student admitted to the program will be assigned an adviser. The adviser will assist the student in planning a program of study toward the degree, approve his schedule each semester, provide counsel, and sign his application for degree.

FINANCIAL AID

There are scholarship and loan funds available exclusively to students enrolled in the School of Nursing. Nursing students are also eligible to apply for assistance through other resources provided to students enrolled in the University. All applications for assistance should be forwarded to the Director of Financial Aid.

EXPENSES

The general fees and expenses are the same for nursing students as for other University students. Additional expenses incurred by nursing students such as uniforms, books, insurance, student nurse organization fees, etc., are estimated as follows:

1st Year	2nd Year	3rd Year	4th Year
$25.00	$75.00	$400.00	$100.00

Travel: Students are responsible for arranging transportation to off-campus hospitals and other agencies which constitute part of the program.

CURRICULUM

The program of study for the Bachelor of Science in Nursing includes specified requirements in the physical and biological sciences, in the social and behavioral sciences, and in the humanities. These courses are selected and placed for their foundational and supportive contributions to the study of nursing. The clinical laboratory classes are conducted in demonstration rooms and in settings where nursing care is needed.

The curriculum in nursing is sequential; progression depends on successful completion of required courses in the preceding year.

Registered nurses may establish by examination a maximum of twenty-five (25) hours of credit in nursing. (See also Challenge Examinations.)

A student majoring in nursing must complete 128 hours including fifty-one (51) hours in nursing, the major, eighteen (18) hours in a selected minor, and fifty-nine (59) hours required by the cores of the University and the School of Nursing. Upon completion of this program of study, the student is eligible to write the State Board Test Pool Examination.

REQUIREMENTS FOR A MAJOR IN NURSING

FRESHMAN YEAR	SEM. HRS.
Biology 101, 220	8
Chemistry 101, 102	8
English 101, 102	6
Mathematics 101	3
Nursing 101, 111	2
Physical Education Elective	1
Psychology 110	3
	31

SOPHOMORE YEAR	SEM. HRS.
Anthropology Elective	3
Biology 221	4
Food and Nutrition 460	3
Humanities or Fine Arts Elective	3
Microbiology 401	4
Nursing 201, 211-L	2
Physical Education Elective	1
Psychology 375	3
Speech Communication 111	3
Sociology 101, 314	6
	32

JUNIOR YEAR	SEM. HRS.
English 333	3
Genetics 451	3
Humanities or Fine Arts Elective	3
Nursing 304, 314-L, 324, 334-L, 344, 351	21
Psychology 436	3
	33

SENIOR YEAR	SEM. HRS.
Elective - Any Area	3
Nursing 404, 414-L, 424 434-L, 444, 454, 462-L	26
Psychology 360	3
	32
TOTAL:	128

*If ACT is less than 20 on English Sub-test score, English 100 is recommended.

**If no high school chemistry, CHE 100 is prerequisite.

***Electives - 9 hours (include 6 hours from Humanities; may select literature, allied arts, foreign language, history, philosophy, religion).

MALPRACTICE INSURANCE

Malpractice Insurance is required of all students enrolled in the upper division of the nursing program.

MEDICAL EXAMINATION

A medical examination is required during the last semester of the lower division of the nursing curriculum and periodically for the remainder of the time required to complete the program.

NURSING-CONTINUING EDUCATION PROGRAM

Wynema McGrew, Chairman

May, Neeley, Pritchett

The Continuing Education Program of the School of Nursing is accredited by the American Nurses' Association, Southeastern Regional Accrediting Committee, and the National League for Nursing. This program offers credit and non-credit courses, workshops, conferences, and independent study units for registered nurses throughout the State of Mississippi. The purpose of the program is to increase the quality of nursing care by providing means for nurses to update nursing knowledge and to acquire new knowledge and skills.

COLLEGE OF SCIENCE AND TECHNOLOGY
ACADEMIC OFFERINGS

Department	Major	Emphasis	Degree***
BIOLOGY			
	BIOLOGY*		BA,BS
		Botany	
		Fisheries Biology	
		Marine Biology	
		Wildlife Biology	
		Zoology	
	(PRE-PROFESSIONAL STUDIES)**		
CHEMISTRY			
	CHEMISTRY*		BS
		Non-ACS Certified	
		ACS Certified	
COMPUTER SCIENCE AND STATISTICS			
	COMPUTER SCIENCE*		BS
		Computer Science	
		Systems Science	
	COMPUTER SCIENCE/DATA PROCESSING		BS
		Data Processing	
	COMPUTER TECHNOLOGY		BS
		Computer Technology	
	STATISTICS*		BS
		Statistics	
CONSTRUCTION AND ARCHITECTURAL TECHNOLOGY			
	ARCHITECTURAL TECHNOLOGY		BS
		Architectural Technology	
	BUILDING CONSTRUCTION TECHNOLOGY		BS
		Construction Technology	
GEOLOGY			
	GEOLOGY*		BS
		Geology	
INDUSTRIAL TECHNOLOGY			
	ELECTRONICS TECHNOLOGY		BS
		Electronics Technology	
	ENVIRONMENTAL TECHNOLOGY		BS
		Environmental Technology	
		Environmental Health - Industrial Hygiene	
		Environmental Health - Sanitation Technology	
	INDUSTRIAL TECHNOLOGY		BS
		Industrial Technology	
		Electric Power Systems Technology	
	MECHANICAL TECHNOLOGY		BS
		Mechanical Technology	
MATHEMATICS			
	MATHEMATICS*		BA,BS
		Mathematics	

MEDICAL TECHNOLOGY

MEDICAL TECHNOLOGY — BS
- Medical Technology

MICROBIOLOGY

FOOD SCIENCE TECHNOLOGY — BS
- Food Science Technology

MICROBIOLOGY — BS
- Microbiology

PHYSICS AND ASTRONOMY

PHYSICS* — BS
- Physics

POLYMER SCIENCE

PLASTICS TECHNOLOGY* — BS
- Plastics Technology

POLYMER SCIENCE* — BS
- Polymer Science

SCIENCE EDUCATION

SCIENCE EDUCATION* — BS
- Biology Education
- Chemistry Education
- Earth Science Education
- Physics Education

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*Minor Available

**This program does not lead to a degree. Students completing pre-professional programs will select an academic major with an emphasis in the appropriate pre-professional area.

***Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

COLLEGE OF SCIENCE AND TECHNOLOGY

Gary C. Wildman, Dean

Karen M. Yarbrough, Assistant to the Dean

The College of Science and Technology provides the student training in all of the classical fields of science, several contemporary multidisciplinary areas, and "career-oriented" technology degree programs.

The College of Science and Technology is organized into twelve departments and five institutes. The departments include Biology, Chemistry, Computer Science and Statistics, Construction and Architectural Technology, Geology, Industrial Technology, Mathematics, Medical Technology, Microbiology, Physics and Astronomy, Polymer Science, and Science Education. The institutes are the Institute of Environmental Science, the Institute of Genetics, the Institute of Microbiology and Related Sciences, the Institute of Surface Coatings, and the Mississippi Polymer Institute. In addition to the degree programs that are synonymous with the above listed department names, curricula are offered in Electronics Technology, Environmental Technology, Mechanical Technology, Computer Technology, Data Processing, Food Science and Technology, and Plastics Technology.

Pre-Professional Curricula are offered by the College of Science and Technology in the following health related areas: medicine, dentistry, veterinary medicine, pharmacy, physical therapy, optometry, dental hygiene, and medical records administartion. The College also provides a pre-engineering curriculum.

The College shares with the College of Education and Psychology joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science, and offering a major in science education for teachers.

A student wishing to obtain either a Bachelor of Science or Bachelor of Arts degree from the College of Science and Technology must complete the following College of Science and Technology requirements.

	Hours
English 101, 102, and 333	9
Science: fourteen hours; a minimum of 8 must be in laboratory sciences	14
Mathematics (not to include MAT 199)	9
Six (6) hours from the following areas: religion, literature, allied arts, foreign language, philosophy, history	6
Nine hours from the following areas, with no more than three hours from any one area: political science, geography, sociology, psychology, economics, anthropology	9
Physical Education or ROTC/AFROTC	2
Foreign language may be required at the option of the department.	
The student seeking a Bachelor of Arts degree must complete three (3) additional hours of English and meet the following requirements:	
*Foreign Language	6-9

*Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six semester hours at the 200-level or above.

INSTITUTE OF GENETICS

Karen M. Yarbrough, Director

Peebles, Stoddard

The Institute of Genetics provides facilities for undergraduate and graduate education in genetics and services to University personnel and students as well as families throughout the community and region. Information regarding academic requirements may be obtained from the **Undergraduate Bulletin** or the **Graduate Bulletin** under the Department of Microbiology.

Members of the Institute's staff operate within the framework of the Center for Health Realted Sciences in order to provide coordinated, comprehensive services. The Institute's

services include chromosomal culturing and karyotyping, sex chromatin tests, dermatoglyphic studies and genetic counseling. These services are available at nominal fees on a referral basis or by applying directly to the Institute of Genetics.

MISSISSIPPI POLYMER INSTITUTE

B. George Bufkin, Director

Burks, Hester, McCormick, Neidlinger,

Seymour, Thames, Wildman

The Mississippi Polymer Institute was approved by the Board of Trustees in September 1978. The purpose of the Institute is to conduct research designed to increase the utilization of Mississippi raw materials in polymers and to support the rapidly growing Mississippi polymer industry. The Institute is an integral part of the College of Science and Technology and functions in concert with the Department of Polymer Science.

THE UNIVERSITY CENTER FOR HEALTH RELATED SCIENCES

Karen M. Yarbrough, Director

Executive Council: Bates, Denton, Dickson, McCarthy,

Rhodes, Sanford, Toom

PURPOSES AND RESPONSIBILITIES

The University of Southern Mississippi Center for Health Realted Sciences (CHRS) is an innovative educational and clinical complex designed to provide health related services and academic training. Its purposes and responsibilities are:

1. to provide education and training for:
   a. University students seeking degrees in one of the health related fields; and practicing professionals or paraprofessionals who wish to gain further knowledge or experience in a specific or broad inter-disciplinary clinical program on a continuing basis;
2. to provide certain health related services not presently available to the University community, the local community, the State of Mississippi, and surrounding states, and to supplement existing services; and
3. to provide a proper setting for conducting applied and pure research in health related disciplines.

AFFILIATED PROGRAMS

Clinical Psychology. See College of Education and Psychology
Family Life Services. See School of Home Economics.
Food and Nutrition (Dietetics). See School of Home Economics.
Gerontology. See School of Social Work.
Genetics. See College of Science and Technology.
Medical Technology. See College of Science and Technology.
Nursing. See School of Nursing.
Social Work. See School of Social Work.
Speech and Hearing. See College of Liberal Arts.

AFFILIATED HOSPITALS)

Ellisville State School, Ellisville, Mississippi
Forrest County General Hospital, Hattiesburg, Mississippi
Gulf Coast Community Hospital, Biloxi, Mississippi
Hinds General Hospital, Jackson, Mississippi
Memorial Hospital, Gulfport, Mississippi
Singing River Hospital, Pascagoula, Mississippi

PRE-PROFESSIONAL CURRICULA

Donald E. Norris, Director

The Office of Pre-Professional Curricula administers undergraduate programs leading to professional education in any of eight health related sciences. These pre-professional curricula prepare students for study of medicine, dentistry, dental hygiene, veterinary medicine, pharmacy, physical therapy, medical records administration, and optometry. The curricula, outlined below, vary in content and duration; all lead to professional study at another university which awards a certificate or degree at completion of the program.

Admission to any professional school for study of a health related science is highly competitive. Successful applicants will have achieved consistantly superior grades, chosen rigorous elective courses, scored well on the national aptitude/achievement examination required for that field, and demonstrated the quality of talent and maturity of interest necessary to pursue professional study.

Each pre-professional student is advised by a member of the Pre-Professional Committee, which is comprised of faculty experienced in undergraduate counseling within these fields of study.

PRE-MEDICAL PROGRAM

Advisers: Anselm C. Griffin, Donald E. Norris

Wallace C. Pye, Raymond W. Scheetz, George S. Torrey

Schools of medicine have fundamentally similar minimal requirements for admission. Generally, these requirements include completion of specified courses in English, biology, chemistry, physics, and mathematics; three years (at least 90 semester hours) of college work; and scores from the nationally-administred Medical College Admissions Test (MCAT). The minimal curriculum serves only as a foundation upon which a complete academic program is built. Schools of medicine normally advise pre-medical students to major in the subject area of their choice and to plan to complete a baccalaureate degree.

The curriculum outlined here meets only **minimal** requirements for admission to the School of Medicine of the University of Mississippi and to other medical schools. Student and pre-medical adviser plan a complete program of study which will satisfy the personal educational needs of the student while enabling the student to compete for admission to medical school. Pre-medical students do not major in "pre-med." Rather, as they follow a pre-medical curriculum, they work toward completing a baccalaureate degree in the field of their choice by meeting the requirements for the college core, a major field, and a minor field, with a total of 128 hours. Generally, the first two years are devoted to meeting the pre-medical and college core requirements and the last two in completing pre-medical electives and remaining degree requiements. Students prepare to take the MCAT the fall of the junior year and to make application to medical school the fall of the senior year.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to medical school; under certain conditions, these individuals may transfer credits from their first year at medical school and receive the bachelor's degree from the University of Southern Mississippi.

RECOMMENDED MINIMAL PRE-MEDICAL CURRICULUM

	Hours
Biology 101, 101L; 202, 202L; 411, 411L	12
Chemistry 101, 101L; 102, 102L:, 351, 351L; 352, 352L; 421 or 426	20
English 101, 102, 333	9
Mathematics 101, 103, 276 or 314, or advanced electives in mathematics	9
Physics 101, 101L; 102, 102L	8
Science electives, including especially courses such as comparative anatomy, cellular physiology, embryology, genetics,	

physical chemistry, analytical chemistry, calculus, differential equations, and advanced physics 8

Students should plan to complete requirements for a baccalaureate degree, including those for the college core, a major field, and a minor field, with a total of 128 semester hours.

PRE-DENTAL PROGRAM

Adviser: Bobby L. Middlebrooks

Minimal requirements for admission to most schools of dentistry are similar and normally include completion of specified courses in English, biology, chemistry, physics, and mathematics; three years (at least 90 semester hours) of college work; and scores from the nationally-administered Dental Admission Test (DAT). The minimal curriculum serves only as a foundation upon which a complete academic program is built. Students are advised to complete requirements for a baccalaureate degree in the subject area of their choice.

The curriculum outlined here meets only **minimal** requirements for admission to the School of Dentistry of the University of Mississippi. Student and pre-dental adviser plan a complete program of study which will satisfy the personal educational needs of the student while enabling the student to compete for admission to dental school. Pre-dental students do not major in "pre-dent." Rather, as they follow a pre-dental curriculum, they work toward completing a baccalaureate degree in the field of their choice by meeting the requirements for the college core, a major field, and a minor field, with a total of 128 hours. Generally, the first two years are devoted to meeting the pre-dental and college core requirements and the last two in completing pre-dental electives and remaining degree requirements. Students prepare to take the DAT the fall of the junior year and to make application to dental school the fall of the senior year.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to dental school; under certain conditions, those individuals may transfer credits from their first year at dental school and receive the bachelor's degree from the University of Southern Mississippi.

RECOMMENDED MINIMAL PRE-DENTAL CURRICULUM

	Hours
Biology 101, 101L; 102, 102L; 320, 320L	12
Chemistry 101, 101L; 102, 102L; 351, 351L; 352, 352L; 311, 311L or 361	21 or 22
English 101, 102, 203, 204, 332	15
Mathematics 101, 103, or advanced electives in mathematics	6
Physics 101, 101L; 102, 102L	8
Psychology 110 and elective in psychology	6
Speech Communication 111	3

Students should plan to complete requirements for a baccalaureate degree, including those for the college core, a major field, and a minor field, with a total of 128 hours.

PRE-DENTAL HYGIENE PROGRAM

Adviser: Wallace C. Pye

The University of Southern Mississippi offers a one-year pre-professional program in dental hygiene. Two additional years, leading to a certificate, are taken within the Department of Dental Hygiene, University of Mississippi Medical Center, for which admission is highly competitive. Additional information appears in the **Bulletin** of the Medical Center.

RECOMMENDED PRE-DENTAL HYGIENE CURRICULUM

	Hours
Biology 101, 101L	4
Chemistry 100 or 101, 101L	3 or 4
English 101, 102	6
Psychology 110	3
Sociology 101	3
Speech Communication 111	3
Electives	6

NOTE: The Dental Hygiene Aptitude Test (DHAT) is required for admission to dental hygiene programs. It should be taken in the fall semester of the student's pre-professional year.

PRE-VETERINARY PROGRAM

Adviser: Bobby L. Middlebrooks

Residents of Mississippi wishing to study veterinary medicine may make application only to the College of Veterinary Medicine, Mississippi State University. Criteria for admission to that college are given in the MSU publication "Requirements for Application to the College of Veterinary Medicine," which is available from the pre-veterinary adviser. Candidates are evaluated on the basis of pre-veterinary academic preparation, as well as expertise in management of domestic animals and experience within the food-animal industry.

The curriculum presented here satisfies **minimal** course requirements for admission to MSU College of Veterinary Medicine. Although only sixty-five (65) semester hours are required for admission, students are strongly advised to work towards completing the baccalaureate degree in a field of science by meeting requirements for the College core, a major field, and a minor field, with a total of 128 hours. Students may acquire experience with local veterinary clinics through a co-op program offered by the Office of Cooperative Education.

RECOMMENDED MINIMAL PRE-VETERINARY CURRICULUM

	Hours
Biology 101, 101L; 102, 102L; 202, 202L	12
Chemistry 101, 101L; 102, 102L; or 351, 351L; 352,352L	17
English 101, 102, 333	9
Mathematics 101, 103, or advanced electives in mathematics	6
Physics 101, 101L; 102, 102L	8
Speech Communication 111	3
Electives in history, political science, sociology, economics, literature, music, art, philosophy, psychology, geography (6 hrs.); and in science (4 hrs.)	10

PRE-PHARMACY PROGRAM

Adviser: Raymond W. Scheetz

Colleges of pharmacy normally require two years of pre-professional training, but minimal requirements for admission vary. Student and pre-pharmacy adviser will design the academic program to specifically meet the admission criteria for the college of pharmacy which the student wishes to attend. The program outlined here meets admission requirements of the School of Pharmacy of the University of Mississippi.

RECOMMENDED PRE-PHARMACY CURRICULUM

	Hours
Biology 101, 101L; 102, 102L	8
Chemistry 101, 101L; 102, 102L; 351, 351L; 352, 352L	17
Economics 200	3
English 101, 102	6
Mathematics 101, 103, or advanced electives in mathematics	6
Microbiology 101, 101L	4
Physics 101, 101L; 102, 102L	8
Electives, including courses such as typing, statistics, public speaking, and accounting	16

PRE-PHYSICAL THERAPY PROGRAM

Adviser: Anselm C. Griffin

The curriculum outlined here fulfills course requirements for admission to the Department of Physical Therapy, School of Health Related Professions, University of Mississippi. A minimum of sixty-five (65) semester hours is required, and students must have observed the work of a clinical department of physical therapy for at least eight (8) hours prior to application. A student wishing to enter another professional school will plan an appropriate curriculum with the adviser for the pre-physical therapy program.

RECOMMENDED PRE-PHYSICAL THERAPY CURRICULUM

	Hours
Biology 101, 101L; 202, 202L; 220, 220L and 221, 221L, or 320, 320L	12 or 16
Chemistry 101, 101L; 102, 102L	8
English 101	3
Mathematics 101	3
Physics 101, 101L; 102, 102L	8
Psychology 101; and 375 or 436 or EPY 370	6
Speech Communication 111	3
Elective in sociology, economics, political science, history, or anthropology	3
Electives in classical civilization, modern language, fine arts, philosophy, or religion	9
Electives in approved courses to bring the total semester hours credit to 65.	

PRE-OPTOMETRY PROGRAM

Adviser: Wallace C. Pye

Students wishing to study optometry must complete two or more years in a pre-professional program. Currently, only programs at the University of Alabama at Birmingham and the Southern College of Optometry admit residents of Mississippi to professional study under SREB contracts. The criteria for admission to these programs are dissimilar, and the student and pre-optometry adviser will determine the exact pre-professional curriculum to be followed. The curriculum outlined here is illustrative and does not reflect the specific entrance requirements of a particular school of optometry.

Marine Biology Emphasis

JUNIOR YEAR	SEM. HRS.
Biology 315	3
Biology Elective (botany or zoology)	3
Biology Electives (423, 428, 429, 436, 437, 440, 444, 461, 462, 467, and/or summer courses at Gulf Coast Research Laboratory)	9-10
Chemistry 321 (if using 200 level option)	3
Genetics 402	3
Recommended Electives	7-8
Social Sciences or Humanities Core	3

SENIOR YEAR	SEM. HRS.
Biology Elective (zoology or botany)	3
Biology Electives (423, 428, 429, 436, 437, 440, 444, 461, 462, 467)	12
Electives	15
English 333	3

Wildlife Biology Emphasis

JUNIOR YEAR	SEM. HRS.
Biology 315	3
Biology Elective (botany or zoology)	3
Biology Electives (404, 420, 428, 438, 440, 444, 449, 453, 461, 462, 466)	12
Chemistry 321 (if using 200 level option)	3
Genetics 402	3
Recommended Electives	7-8
Social Sciences or Humanities Core	3

SENIOR YEAR	SEM. HRS.
Biology Elective (zoology or botany)	3
Biology Electives (404, 420, 428, 438, 440, 444, 449, 453, 461, 462, 466)	12
Electives	15
English 333	3

Fisheries Biology Emphasis

JUNIOR YEAR	SEM. HRS.
Biology 315	3
Biology Elective (botany or zoology)	3
Biology Electives (404, 428, 429, 432, 436, 437, 438, 440, 444, 445, 449, 453, 461, 462, 466)	12
Chemistry 321 (if using 200 level option)	3
Genetics 402	3
Recommended Electives	7-8
Social Sciences or Humanities Core	3

SENIOR YEAR	SEM. HRS.
Biology Elective (zoology or botany)	3
Biology Electives (404, 428, 429, 432, 436, 437, 438, 440, 444, 445, 449, 453, 461, 462, 466)	12
Electives	15
English 333	3

Botany Emphasis

JUNIOR YEAR	SEM. HRS.
Biology 315	3
Biology Elective (zoology)	3
Biology Electives (448, 449, 450, 451, 453, 454, 455, 457, 458, 475, 493)	12
Chemistry 321 (if using 200 level option)	3
Genetics 402	3
Recommended Electives	7-8
Social Sciences or Humanities Core	3

SENIOR YEAR	SEM. HRS.
Biology Electives (448, 449, 450, 451, 453, 454, 455, 457, 458, 475, 493)	12
Electives	18
English 333	3

Zoology Emphasis

JUNIOR YEAR	SEM. HRS.
Biology 315	3
Biology Elective (botany)	3
Biology Electives (320, 411, 420, 422, 423, 426, 432, 435, 436, 437, 440, 461, 465)	12
Chemistry 321 (if using 200 level option)	3
Genetics 402	3
Recommended Electives	7-8
Social Sciences or Humanities Core	3

SENIOR YEAR	SEM. HRS.
Biology Electives (320, 411, 420, 422, 423, 426, 432, 435, 436, 437, 440, 461, 465)	12
Electives	18
English 333	3

3. Recommended courses in area of pre-professional training in medicine, dentistry, pharmacy, and veterinary science are outlined in this **Bulletin** in the beginning section of the College of Science and Technology.

GULF COAST RESEARCH LABORATORY

The University of Southern Mississippi is closely allied with the Gulf Coast Research Laboratory at Ocean Springs. Staff members and biology majors in both the graduate and undergraduate schools have been active participants in the work at the Gulf Coast Research Laboratory. It is strongly recommended that all majors in biology take at least a six-weeks, program in marine biology as offered at the Laboratory. The following courses are taught only at the Gulf Coast Research Laboratory: Biology 481, 483, 484, 485, 486, 487, 488, 489.

DEPARTMENT OF CHEMISTRY

David L. Wertz, Chairman

A. Bedenbaugh, J. Bedenbaugh, Creed, Elakovich, Evans, Fawcett, Griffin, J. Howell, McCain, Pinson, Toom, van Aller, H. Williams

A student majoring in Chemistry must work toward the Bachelor of Science degree. For information concerning the Master of Science degree and the Doctor of Philosophy degree, see the **Graduate Bulletin.** A major in Chemistry includes satisfaction of the general core requirements of the University and the College of Science and Technology and no less than thirty-four (34) semester hours of chemistry. A minor is not required. The lecture and laboratory portions of required courses must be taken concomitantly.

REQUIREMENTS OF A MAJOR IN CHEMISTRY

(ACS CERTIFIED DEGREE)

The Department of Chemistry is accredited by the Division of Chemical Education of the American Chemical Society. A chemistry major may graduate as a chemist certified by the American Chemical Society. Degree certification requires the following curriculum:

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 101L, 102, 102L	8
**Elective	3
English 101, 102	6
Humanities Core	3
Mathematics 101, 103	6
Social Science Core	6
	32

SOPHOMORE YEAR	SEM. HRS.
Chemistry 311, 311L, 351, 351L, 352, 352L, 411, 411L	18
Mathematics 278, 377 or 276, 277, 378	9
Physical Education	2
Social Science Core	3
	32

JUNIOR YEAR	SEM. HRS.
Chemistry 461, 461L, 462, 462L	8
English 333	3
Mathematics 405	3
Physics 201, 201L, 202, 202L, or 101, 101L, 102, 102L	10
**Electives	8
	32

SENIOR YEAR	SEM. HRS.
Chemistry 400, 426, 431	9
*Chemistry electives	6
Humanities Core	3
**Electives	14
	32
TOTAL:	128

*CHE electives to be chosen from 300, 401, 402, 403, 427L, 432, 441, 451, 496. CHE 421 and 422 may be substituted for CHE 426 and one chemistry elective.
**Recommended electives are GEN 402, CSS 240, CSS 340, GLY 101, PHY 361, PSC 412, FL 121, 122, 161, 162, 221, 222, 261, 262, MAT 411.

REQUIREMENTS FOR A MAJOR IN CHEMISTRY
(NON-ACS CERTIFIED DEGREE)

A major in Chemistry will include not less than thirty-four (34) semester hours of chemistry. Minimum requirements are:

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 101L, 102, 102L	8
Elective	3
English 101, 102	6
Humanities Core	3
Mathematics 101, 103	6
Social Science Core	6
	32

SOPHOMORE YEAR	SEM. HRS.
Chemistry 351, 351L, 352, 352L	9
Mathematics 278, 377 or 276, 277	6-9
Physical Education	2
Social Science Core	3
Electives	9-12
	32

JUNIOR YEAR	SEM. HRS.
Chemistry 311, 311L, 411, 411L	9
English 333	3
Electives	20
	32

SENIOR YEAR	SEM. HRS.
Chemistry 461, 461L, 462, 462L	8
Humanities Core	3
Electives	21
	32
TOTAL:	128

COMMON REQUIREMENTS FOR A MAJOR IN CHEMISTRY
(SECONDARY EDUCATION DEGREE)

A major in Chemistry for secondary education will include not less than thirty-two (32) in science of which twenty-five (25) hours must consist of:
Chemistry 101, 101L, 102, 102L, 251, 251L, 311, 311L, 321, 321L.

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS

Danny R. Carter, Chairman

Bisland, Bremmer, Burge, R.A. Cade, Gambrell, Green, Howell, Hyatt, Nagurney, Rimes, Seymour

The Computer Science and Statistics Department is designed to meet the great demand for trained personnel in electronic computers, and statistics in business, science, engineering, government, and the academic world. Current course offerings provide for an

academic major in computer science, data processing, computer technology, systems science, or statistics at the undergraduate level and a major in computer science or statistics at the graduate level.

The department has initiated a cooperative education program with industry for selective students. The students selected for this program attend school and work on alternate semesters.

REQUIREMENTS FOR A MAJOR IN COMPUTER SCIENCE

FRESHMAN YEAR	SEM. HRS.
Computer Science 100, 240	6
English 101, 102	6
Humanities Core	6
Mathematics 101, 103	6
Physical Education, ROTC/AFROTC	2
Social Science Core	6
	32

SOPHOMORE YEAR	SEM. HRS.
Computer Science 320, 340, 341	9
Electives	6
Lab Science	8
*Mathematics 276 or 278, 277 or 377	6 or 9
Social Science Core	3
	32 or 35

JUNIOR YEAR	SEM. HRS.
Computer Science 342, 441, 460, 470, 470L, 490, one elective from 323, 324, 420, 421, 425 or 471, 471L	19 or 20
English 333	3
*Mathematics 378, 385	6
Science	3
	31 or 32

SENIOR YEAR	SEM. HRS.
Computer Science 415, 416 or 435, 436, 461, 462, 490, two electives from 350, 442, 477, 478, 478L, 480	19 or 22
Electives	7
Geography 416	3
Science	3
	31 or 35

*Students may select a subject other than mathematics for a minor. The minor consist of eighteen (18) hours. Suggested minors include the following: accounting, electronics technology, geography, physics or statistics.

REQUIREMENTS FOR A MAJOR IN STATISTICS

FRESHMAN YEAR	SEM. HRS.
Computer Science 240, 340	6
English 101, 102	6
Humanities Core	6
Mathematics 101, 103	6
Physical Education, ROTC/AFROTC	2
Social Science Core	6
	32

SOPHOMORE YEAR	SEM. HRS.
Computer Science 211, 212, 320	9
Electives	6
Lab Science	8
*Mathematics 276 or 278, 277 or 377	6 or 9
Social Science Core	3
	32 or 35

JUNIOR YEAR	SEM. HRS.
Computer Science 415, 416, 420, 422, 490	13
English 333	3
*Mathematics 326, 378, 385	9
Science	6
	31

SENIOR YEAR	SEM. HRS.
Computer Science 417, 418, 435, 436, 441	17
Electives	12
Management 360	3
	32

*Students may select a subject other than Mathematics for a minor. The minor consists of eighteen (18) hours. Suggested minors include the following: accounting, electronics technology, geography, physics or statistics.

REQUIREMENTS FOR A MAJOR IN DATA PROCESSING

FRESHMAN YEAR	SEM. HRS.
Computer Science 100, 240	6
English 101, 102	6
Humanities Core	6
Mathematics 101, 103	6
Physical Education, ROTC/AFROTC	2
Social Science Core	6
	32

SOPHOMORE YEAR	SEM. HRS.
Accounting 201, 202	6
Computer Science 320, 340, 341	9
Economics 255	3
General Business 295	3
Lab Science	8
Mathematics 312	3
	32

JUNIOR YEAR	SEM. HRS.
Accounting 301, 302	6
Computer Science 342, 350, 422, 441, 490	15
English 333	3
Management 360	3
Science	6
	33

SENIOR YEAR	SEM. HRS.
Accounting 320, 330, 401 or 409	9
Computer Science 211, 212, 442, 480	14
Electives	9
	32

This is an interdisciplinary major offered in conjunction with the School of Professional Accountancy, College of Business Administration. A minor is not required.

Requirements for an Emphasis in Systems Science

FRESHMAN YEAR	SEM. HRS.
Computer Science 240, 340	6
English 101, 102	6
Humanities Core	6
Mathematics 276, 277	6
Physics 201, 201L, 202, 202L	10
	34

SOPHOMORE YEAR	SEM. HRS.
Computer Science 320, 341, 420, 441	14
Mathematics 378, 379	6
Physics 327, 327L	4
Social Science Core	6
Physical Education, ROTC/AFROTC	2
	32

JUNIOR YEAR	SEM. HRS.
Computer Science 323, 324, 415, 416, 470, 470L, 471, 471L	20
English 333	3
Mathematics 326, 385	6
Physics 328, 328L or 421	3 or 4
	32 or 33

SENIOR YEAR	SEM. HRS.
Computer Science 423, 435, 436, 476, 478, 478L	16
Electives	10
Mathematics 417	3
Social Science Core	3
	32

REQUIREMENTS FOR A MAJOR IN COMPUTER TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
Computer Science 240, 340	6
English 101, 102	6
Humanities Core	6
Mathematics 101, 103	6
Physical Education, ROTC/AFROTC	2
Social Science Core	6
	32

SOPHOMORE YEAR	SEM. HRS.
Computer Science 341, 370, 371, 441	14
Electives	3 or 4
Lab Science	8
Mathematics 276 or 278	3 or 5
Social Science Core	3
	31 or 34

Software Emphasis

JUNIOR YEAR	SEM. HRS.
Computer Science 460, 461, 470, 470L, 471, 471L	14
Electronics Technology 312, 312L, 332, 332L, 413, 413L	12
English 333	3
Science	3
	32

SENIOR YEAR	SEM. HRS.
Computer Science 462, 477, 478, 478L, 480	15
Electives	3
Electronics Technology 333, 333L, 470 470L	8
Management 360	3
Science	3
	32

Scientific Emphasis

JUNIOR YEAR	SEM. HRS.
Computer Science 320, 420, 421, 470, 470L 471, 471L	17
Electronics Technology 312, 312L, 332, 332, 413, 413L	12
English 333	3
Mathematics 277 or 377	3 or 4
	35 or 36

SENIOR YEAR	SEM. HRS.
Computer Science 415, 416 or 435, 425, 436, 460	12
Electronics Technology 333, 333L, 470, 470L	8
Management 360	3
Science	6
	29

DEPARTMENT OF CONSTRUCTION AND ARCHITECTURAL TECHNOLOGY

James W. Young, Chairman

Boutwell, McGowen, Marchman, Mathis, Salinas

The department offers two degree programs with emphasis in "career-oriented" education: Architectural Technology and Construction Technology. Students are encouraged to seek work experience related to their area of interest prior to graduation. Potential transfer students from junior colleges are encouraged to consult with their adviser and the University curricula adviser as early as possible before transferring.

ARCHITECTURAL TECHNOLOGY

Ysidro Salinas, Program Adviser

This program provides the student with a technical background in architectural principles and physical sciences, balanced by a foundation of humanities, social sciences, and communications. Graduates find employment in architectural offices in specifications, contract documents, field construction inspection, and office management; residential design and construction; technical sales for building products; and the related areas of environmental design and planning. With appropriate experience, graduates may seek professional status. The recommended sequence of courses is as follows:

REQUIREMENTS FOR A MAJOR IN ARCHITECTURAL TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
Architectural Techology *132, *132L, 204, 222, 323, 323L	12
Art Education 207	3

SOPHOMORE YEAR	SEM. HRS.
Architectural Technology 241, 261, 261L, 262, 262L, 324, 324L	12

English 101, 102	6
Humanities and Fine Arts Core	3
Mathematics 101, 103 or 133	6
Political Science 101	3
Physical Education	1
	34

Construction Technology 205, 205L, 235, 235L	6
Mathematics 236 or 276	3
Physics 105, 105L, 106, 106L	8
Speech Communication 111	3
Physical Education	1
	33

JUNIOR YEAR	SEM. HRS.
Architectural Technology 315, 316, 325, 326, 338, 338L, 342, 363, 363L, 364, 364L, 443	25
Construction Technology 336, 336L, 354, 354L	6
Economics 200	3
	34

SENIOR YEAR	SEM. HRS.
Architectural Technology 400, 401, 457, 457L, 465, 465L	15
Electives	6
English 333	3
Psychology 110	3
Real Estate 330	3
Science Core**	6
	31
TOTAL:	132

*May be waived for one year of high school drafting.
**See adviser for approved courses.

CONSTRUCTION TECHNOLOGY

James W. Young, Program Adviser

The construction program is designed to educate the CONSTRUCTOR, utilizing a varied education base of business management, building technology, construction, and socio-humanistic studies. Constructor graduates enter the industry in field and office engineering, estimating and project management of residential, commercial, industrial, heavy-highway, and utility construction. This program follows the subject area guidelines recommended by the American Council for Construction Education and is affiliated with the Associated Schools of Construction. The recommended sequence of courses is as follows:

REQUIREMENTS FOR A MAJOR IN CONSTRUCTION TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
Architectural Techology *132, *132L, 204	6
Construction Technology 101, 101L	2
English 101, 102	6
Humanities and Fine Arts Core	3
Geology 101	3
Mathematics 101, 133	6
Speech Communication 111	3
Physical Education	2
	31

SOPHOMORE YEAR	SEM. HRS.
Architectural Technology 241, 315, 326	8
Construction Technology 205, 205L, 235, 235L, 336, 336L	9
Economics 200	3
General Business 295	3
Mathematics 236	3
Physics 105, 105L, 106, 106L	8
	34

JUNIOR YEAR	SEM. HRS.
Architectural Technology 316, 342, 443	9
Construction Technology 307, 307L, 354, 354L, 355, 374, 375	13

SENIOR YEAR	SEM. HRS.
Construction Technology 444, 445, 458, 458L, 476, 477	15
Electives	6
English 333	3

General Business 290, or Computer Science 240	3
Humanities and Fine Arts Core	3
Management 360	3
Social Science Core	3
	34
Industrial Technology 301	3
Science Core**	3
Social Science Core**	3
	33
TOTAL:	132

*May be waived for one year of high school drafting.
**See adviser for approved courses.

DEPARTMENT OF GEOLOGY

Oscar Paulson, Chairman

Bowen, Froelicher, Sundeen

Students may major in geology as preparation for careers in development of natural resources, regional and national planning, research, secondary education, college and university teaching, oceanography, exploration of the Earth and Space, environmental studies, and other allied occupations. A Bachelor of Science and graduate work through the master's degree are offered in the department.

High School Preparation. Secondary students planning to prepare for professional careers in the geological sciences should complete credits in biology, chemistry, and physics (if available), mathematics through second-year algebra, solid geometry, and trigonometry (or equivalent). Other desirable credits include foreign language, engineering drawing or similar courses in drafting and typing.

COMMON REQUIREMENTS FOR A MAJOR IN GEOLOGY

For the Bachelor of Science in Geology, the following courses, in addition to the requirements of the University Core and the College of Science and Technology, are required:

REQUIRED CURRICULUM FOR GEOLOGY MAJORS

FRESHMAN YEAR	SEM. HRS.
Biology 101, 101L	4
Chemistry 101, 101L	4
Chemistry 102, 102L	4
English 101, 102	6
Geology 101, 103	6
Geology 101L, 103L	2
Mathematics 101, 103	6
Physical Education	1
	33

SOPHOMORE YEAR	SEM. HRS.
Fine Arts & Humanities Core	6
Geology 301, 301L	4
Geology 304	4
Geology 341	4
Mathematics 276 or 278	3-5
Minor	3-6
Physical Education	1
Social Science Core	6
	33

JUNIOR YEAR	SEM. HRS.
Elective	4
English 333	3
Geology 308	4
Geology 480	1
Minor	6
Physics 105, 105L	4
Physics 106, 106L	4
Summer Field Camp	6
	32

SENIOR YEAR	SEM. HRS.
Elective	16
Geology 401	3
Geology 403	4
Minor	6
Social Science Core	3
	32
TOTAL:	130

The requirement for field geology may be met by taking summer geology courses offered at marine stations, such as the Gulf Coast Research Laboratory in Ocean Springs, Mississippi, if the student demonstrates extenuating circumstances and upon approval by the Geology Department faculty.

COMMON REQUIREMENTS FOR A MINOR IN GEOLOGY

A minor of eighteen (18) hours is also required. Suggested minors include the following: biology, chemistry, computer science, mathematics, physics, general science (24 hrs.), or general business.

GEOLOGY MINOR AND PREPARATION FOR SECONDARY EDUCATION, EARTH SCIENCE TEACHING

The following courses are suggested for students seeking a geology minor or preparation for earth science teaching in secondary schools: Geology 101, 101-L, 103, 103-L, 301, 304, 310, and 341.

DEPARTMENT OF INDUSTRIAL TECHNOLOGY

C. Howard Heiden, Chairman

Baldwin, Bogart, Brent, Huey, Lipscomb, Moore

The Department of Industrial Technology encompasses programs with direct application to industry to include mechanical technology, electronic technology, industrial technology, and three related programs in environmental technology. These programs are designed to give the student a working knowledge of industrial applications of his or her technical speciality and an understanding of the basic supervisory skills such as management principles, safety awareness, and financial concepts. Electives in the humanities and social sciences are encouraged to give the student a greater awareness and understanding of his or her future role in society.

Suggested programs follow:

MECHANICAL TECHNOLOGY

Wesley L. Baldwin, Coordinator

A major in Mechanical Technology prepares the student for supervisory positions in manufacturing by stressing machinery design and operation, production techniques, and interpersonal relations. All students must complete the following requirements.

REQUIREMENTS FOR A MAJOR IN MECHANICAL TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Graphics, INT 148, 249	6
Humanities & Fine Arts Core	6
Mathematics 101, 133	6
Physical Education or ROTC	2
Social Science Core	6
	32

SOPHOMORE YEAR	SEM. HRS.
Computer Science 240	3
Graphics, INT 250	3
Engineering Economics, INT 301	3
Mathematics 236, 237	6
Mechanical Technology 330	3
Metals & Machining IVE 360, 362	6
Physics 105, 106, 105L, 106L	8
	32

JUNIOR YEAR	SEM. HRS.
Chemistry 101, 101L	4
Electric Energy Systems, ELT 342	3

SENIOR YEAR	SEM. HRS.
Elective	3
Industrial Technology 308, 405	6

English 333	3
Mechanical Technology, MET 331	3
Physics 332	3
Social Science Core	3
Statics, Strengths of Materials, ACT 241, 342	6
Structure of Materials, PSC 330	3
Technical elective	6
	34

Management 467	3
Mechanical Technology 323, 361, 362, 400, 401, 444	18
	30
TOTAL:	128

ENVIRONMENTAL TECHNOLOGY

(An ECPD Accredited Engineering Technology Program)

Charles R. Brent, Coordinator

A major in Environmental Technology offers an interdisciplinary course of study in chemistry, biology, and microbiology combined with courses in measurement and treatment of air, water, and solid waste in the industrial and residential environment. All students must complete the following requirements:

REQUIREMENTS FOR A MAJOR IN ENVIRONMENTAL TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 102, 101L, 102L	8
English 101, 102	6
Environmental Science 105	1
Humanities and Fine Arts Core	3
Mathematics 101, 133	6
Microbiology 101, 101L	4
PE or ROTC	2
Social Science Core	3
	33

SOPHOMORE YEAR	SEM. HRS.
Biology 101, 102, 101L, 102L	8
Chemistry 311, 311L	5
Computer Science 211, 240	6
Environmental Science 205	1
Humanities and Fine Arts Core	3
Mathematics 236, 237	6
Social Science Core	3
	32

Environmental Technology Emphasis

(An ECPD Accredited Engineering Technology Program)

JUNIOR YEAR	SEM. HRS.
Chemistry 351, 352, 351L, 352L	9
English 333	3
Environmental Science 301, 302, 401, 402	14
Geology 101, 101L	4
Mechanical Technology 444	3
	33

SENIOR YEAR	SEM. HRS.
Biology 461 or 462, 466, 461L or 462L, 466L	6
Electronics for Scientists, ELT 411	4
Environmental Science 403, 405, 431	11
Industrial Technology 405 or 407	3
Microbiology 471, 471L	4
Social Science Core	3
	31
TOTAL:	129

Environmental Health-Industrial Hygiene Emphasis*

JUNIOR YEAR	SEM. HRS.
Biology 220, 221, 220L, 221L	8
Chemistry 300	3

SENIOR YEAR	SEM. HRS.
Chemistry 351, 352, 351L, 352L	9
Community Health, HSE 321	3

English 333	3
Environmental Science 301, 330	6
Management 386	3
Physics 105, 106, 105L, 106L	8
Social Science Core	3
	34

Electronics for Scientists ELT 411	4
Environmental Science 402, 403, 431	12
Industrial Technology 405 or 407	3
Microbiology 471, 471L	4
	35
TOTAL:	134

Environmental Health-Sanitation Emphasis*

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 102, 101L, 102L	8
English 101, 102	6
Environmental Science 105	1
Humanities and Fine Arts Core	3
Mathematics 101, 133	6
Microbiology 101, 101L	4
PE or ROTC	2
Social Science Core	3
	33

SOPHOMORE YEAR	SEM. HRS.
Chemistry 311, 311L	5
Computer Science 211, 240	6
Environmental Science 205	1
Humanities and Fine Arts Core	3
Mathematics 236, 237	6
Physics 105, 106, 105L, 106L	8
Social Science Core	3
	32

JUNIOR YEAR	SEM. HRS.
Chemistry 321, 351, 352, 321L, 351L, 352L	13
English 333	3
Environmental Science 301, 330	6
Mechanical Technology 444	3
Microbiology 301, 301L	4
Sanitation for Institutions, IAD 273	3
Social Science Core	3
	35

SENIOR YEAR	SEM. HRS.
Biology 462, 466, 462L, 466L	6
Environmental Science 401, 403, 405, 431	15
Industrial Technology 405 or 407	3
Microbiology 471, 471L	4
Technical Elective	3
	31
TOTAL:	131

*Not ECPD accredited

INDUSTRIAL TECHNOLOGY

Joe Moore, Coordinator

A major in Industrial Technology prepares the student for a supervisory position in industry. Industrial product design, manufacturing methods and equipment, plant layout, planning, and innovative management techniques are stressed. All students must complete the following requirements.

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Graphics, INT 148	3
Humanities & Fine Arts Core	6
Mathematics 101, 133	6
Physical Education or ROTC	2
Physics 105, 106, 105L, 106L	8
Social Science Core	3
	34

SOPHOMORE YEAR	SEM. HRS.
Computer Science 100 or 240, 211	6
Engineering Economics, INT 301	3
Environmental Science 301	3
Graphics, INT 249, 250	6
Manufacturing, INT 300	3
Social Science Core	6
Statics, ACT 241	3
Strength of Materials, ACT 342	3
	33

Management Specialty*

JUNIOR YEAR	SEM. HRS.
English 333	3
Industrial Hygiene, ESC 431	4
Industrial Technology 308, 405, 406, 407	12
Management, MGT 360	3
Mathematics 312	3
Metals, IVE 360	3
Structure of Materials, PSC 330 or IVE 318	3
	31

SENIOR YEAR	SEM. HRS.
Electronics, ELT 411	4
Industrial Technology 400, 401, 408, 409, 440, 443, 477	21
Management, MGT 464, 465	6
	31
TOTAL:	129

Production Specialty*

JUNIOR YEAR	SEM. HRS.
English 333	3
Industrial Technology 308, 405, 406	9
Industrial & Vocational Ed 331, 333, 360	9
Management, MGT 360	3
Mathematics 312	3
Structure of Materials, PSC 330 or IVE 318	3
	30

SENIOR YEAR	SEM. HRS.
Electronics, ELT 411	4
Industrial Hygiene, ESC 431	4
Industrial Technology 400, 401, 407, 409	12
Industrial & Vocational Ed. 362, 462	6
Management 464, 465	6
	32
TOTAL:	129

*The management specialty stresses the development of interpersonal skills which are used in the industrial environment. The production speciality stresses manipulative skills and a basic understanding of industrial management.

ELECTRONICS TECHNOLOGY

Ted Bogart, Coordinator

The major in Electronics Technology offers a wide variety of modern topics in electronics with an emphasis on digital electronics and micro-processors. Extensive laboratory equipment in the fields of communications, control systems, digital electronics, industrial instrumentation, and industrial energy systems is available for student laboratory experiments. Graduates are expected to have an extensive, practical knowledge of electronics and are expected to fill supervisory positions in industry.

The Electronics Technology program is offered both as a "Two-plus-Two" program and as a 4-year baccalaureate program. Students transferring from a junior college or technical institute should have completed the following courses prior to entering USM. Students transferring to USM having completed these courses should expect to finish in four full-time semesters.

	Hours
Basic AC/DC Circuits (with laboratory)	6
Basic Electronic Devices (with laboratory)	6
Intermediate Circuits (Communications, Microwave)	6
Motors, Generators, Industrial Instrumentation	3
Advanced Circuits (Logic, Digital)	6
	27
English Composition (6), Algebra and Trigonometry (6), Physics (8), Graphics (3), Social Sciences and Humanities (15)	38
TOTAL:	65

REQUIREMENTS FOR A MAJOR IN ELECTRONICS TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Electronics Technology 101, 102, 110, 111, 110L, 111L	10
Mathematics 101, 133	6
Physics 105, 106, 105L, 106L	8
Physical Education or ROTC	2
	32

SOPHOMORE YEAR	SEM. HRS.
Electronics Technology 210, 211, 220, 230, 240, 342, 210L, 211L	20
Mathematics 236, 237	6
Social Science Core	6
	32

JUNIOR YEAR	SEM. HRS.
Computer Science 100, 240, 211	9
Electronics Technology 313, 332, 333, 313L, 332L, 333L	12
English 333	3
Management 360 or 386	3
Humanities and Fine Arts Core	6
	33

SENIOR YEAR	SEM. HRS.
Electronics Technology 400, 401, 412, 470, 412L, 470L	14
Electronics Electives	6
Industrial Technology 301, 405 or 407	6
Mechanical Technology 444 or PHY 332	3
Social Sciences Core	3
Structure of Materials, PSC 330	3
	35
TOTAL:	132

PRE-ENGINEERING CURRICULUM OUTLINES

Jack Lipscomb, Coordinator

The pre-engineering curriculum listed below is a two-year, freshman/sophomore level program designed to prepare students to enter the junior year of a four-year engineering school. The program is general in nature and can be applied to the following engineering curricula offered at engineering schools in Mississippi. Students planning to enter pre-engineering should have a strong interest and good aptitude in mathematics.

Aerospace Engineering	Electrical Engineering
Agricultural Engineering	Industrial Engineering
Biological Engineering	Mechanical Engineering
Chemical Engineering	Nuclear Engineering
Civil Engineering	Petroleum Engineering

(Students planning to transfer to out-of-state engineering schools should plan to meet with the pre-engineering adviser at the conclusion of their freshman year to plan an appropriate schedule of sophomore level courses.)

REQUIREMENTS FOR A MAJOR IN PRE-ENGINEERING

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 102, 101L, 102L	8
English 101	3
Graphics, INT 148, 250	6
Mathematics 278, 377	9
Physical Education or ROTC	2
Sociology 101	3
	31

SOPHOMORE YEAR	SEM. HRS.
Computer Science 240	3
Elective	3
Engineering Economics, INT 301	3
History 140	3
Mathematics 379, 405	6
Physics 201, 202, 201L, 202L	10
Political Science 101	3
Psychology 110	3
	34

(Students preparing to enter Chemical or Biological Engineering should take Chemistry 351 and 351L, instead of PS 101, SOC 101, or PSY 110).

DEPARTMENT OF MATHEMATICS

James Caveny, Chairman

L. Bell, D. Betounes, M. Betounes, B.J. Davis, Doblin, Dunigan, Essary,
Fay, Jeter, R.W. King, Knighton, V. Mullins, Oxford,
Pye, J. Thrash, Walls, Webster

The Department of Mathematics offers a flexible curriculum for baccalaureate degrees so that individual students may tailor their university mathematics programs to fit specific educational and career objectives. The Bachelor of Arts and Bachelor of Science degrees in mathematics provide sound foundations for a broad latitude of careers in education, industry, business and government. Most of today's challenging careers call for continuing education beyond the bachelor's degree, and an undergraduate major in mathematics provides a versatile avenue for preparing for advanced studies in a number of fields including mathematics, computer science, statistics, management science, actuarial science, mathematics education, engineering, applied mathematics, law, and medicine. The Department of Mathematics offers the Master of Science degree, and, in cooperation with the College of Education and Psychology, the Master of Education, the Specialist, the Doctor of Education, and the Doctor of Philosophy degrees. For information concerning degrees beyond the bachelor's degrees please consult the **Graduate Bulletin.**

Students who have completed a college preparatory program in high school should begin their university mathematics program with Mathematics (MAT) 276 or 278. Students without this background should elect appropriate mathematics courses in consultation with their academic advisers. Mathematics majors should take MAT 341 and 326 concurrently with some of the calculus courses. Mathematics majors should **not** enroll in the courses MAT 112, 120, 131, 133, 199, 210, 236, 237, 310, 312, or 314 which are designed to serve the special interests of students in other departments and colleges.

The curriculum of the Department of Mathematics is designed to meet the following objectives:

(i) prepare students for industrial or commercial employment,
(ii) prepare students to teach secondary school mathematics,
(iii) prepare students for graduate study in mathematics and related fields,
(iv) provide supportive courses for other degree programs in the University.

Each student, in consultation with a faculty adviser, should elect the mathematics options that are compatible with career objectives.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS

FRESHMAN YEAR	SEM. HRS.
Elective	3
English 101, 102	6
Humanities and Fine Arts Core	6
Laboratory Science	8-10
Mathematics 278, 377 (or 276, 277)	6-9
Physical Education	2
	31-36

SOPHOMORE YEAR	SEM. HRS.
Electives	6
Mathematics 326, 341, 379 (or 326, 341, 378, 379)	9-12
Minor	6
Science (to complete a total of 14 hrs.)	4-6
Social Science Core	6
	31-36

JUNIOR YEAR	SEM. HRS.
Electives	12-18
Mathematics*	9
Minor	6
Social Science Core	3
	30-36

SENIOR YEAR	SEM. HRS.
Electives	15-21
English 333	3
Mathematics*	6
Minor	6
	30-36
TOTAL:	128

*To be selected from MAT courses numbered 320, 370, 385 or above 400, but not to include MAT 410. At least three of these courses must be numbered above 400.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS WITH SECONDARY TEACHER CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
History 101, 102 or 140, 141	6
Mathematics 278, 377 (or 276, 277)	6-9
Physical Education	2
Physical Science**	6-10
	26-33

SOPHOMORE YEAR	SEM. HRS.
Biological Science**	6-8
Educational Psychology 110	3
Fine Arts	3
Mathematics 326, 341, 379, (or 326, 341, 378, 379)	9-12
Research and Foundations 400	3
Speech Communication 111	3
Social Science Core	3
	30-35

JUNIOR YEAR	SEM. HRS.
Electives****	6
English 332, Literature	6
Educational Psychology 372, 374	6
Health and Safety Education 101	3
Mathematics***	9
Social Science Core	3
	33

SENIOR YEAR	SEM. HRS.
Curriculum and Instruction: Secondary 313, 457, 487	15
Electives****	6
Mathematics***	6
Research in Educational Foundations 469	3
	30
TOTAL:	128

**For the BS in the College of Science and Technology include fourteen hours of science, at least eight of which must be laboratory science.

***Must satisfy the mathematics major requirements * above, as well as the requirements for a Secondary Teacher's Certificate in Mathematics. Current secondary teacher certification requirements are available in the Mathematics Department.

****Students who will graduate after September 1, 1981, will also be required to take Curriculum and Instruction - Secondary (CIS) 310, 422, and SPE 400 for secondary teacher certification.

RECOMMENDATIONS FOR MATHEMATICS AS A MINOR

MAT 276, 277, 378, 379 or MAT 278, 377, 379	12
MAT 326, 341	6
One or more MAT courses numbered 320, 370, 385 or above 400 other than MAT 410	3

DEPARTMENT OF MEDICAL TECHNOLOGY

Shirley McManigal, Chairman

Brundage, R. Crews, T. Crews, D. Fowler,
Harwell, Hudson, Owen

Forrest General Hospital: R. Cooke, Warren

Hinds General Hospital: Ferguson, Henderson

Memorial Hospital at Gulfport: Atchison, Tucker

Singing River Hospital: Barrett, Dore

Gulf Coast Community Hospital: Krecker, Monroe, Rehak

COMMON REQUIREMENTS FOR A MAJOR IN MEDICAL TECHNOLOGY

A student majoring in the Department of Medical Technology must complete courses outlined for the freshman, sophomore, and junior years. During the junior year, the stu-

dent will apply to the department for admission into the senior year. The fourth year consists of two phases: Phase I, a six-month didactic session on the University of Southern Mississippi campus; and Phase II, a six-month clinical session at one of the affiliated hospitals. Affiliated hospitals are: Memorial Hospital, Gulfport; Forrest County General Hospital, Hattiesburg; Singing River Hospital, Pascagoula; Hinds General Hospital, Jackson; and Gulf Coast Community Hospital, Biloxi.

Two senior classes are accepted each year, one in July and one in January.

The Department of Medical Technology is accredited by the Committee on Allied Health and Accreditation of the American Medical Association and the National Accrediting Agency for Clinical Laboratory Sciences. Upon successful completion of the program, students receive the Bachelor of Science degree in Medical Technology and become eligible to take national certifying examinations given by recognized certifying agencies. For information on the Master of Science degree, please consult the **Graduate Bulletin.**

	Hours
General Core for the College of Science and Technology	35
Professional Requirements	
Biology 220, 221, 424	12
Chemistry 101, 102, 251, 252, 311, 321	25
Genetics 451	3
Microbiology 101, 411, 441	12
Medical Technology 101, 302, 306, 309, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 451, 452, 455, 456, 457, 458, 459	66
Elective	3

REQUIREMENTS FOR A MAJOR IN MEDICAL TECHNOLOGY

FRESHMAN YEAR	**SEM. HRS.**
Biology 220, 220L; 221, 221L	8
Chemistry 101, 101L 102, 102L	8
English 101, 102	6
Mathematics 101, 103	6
Medical Technology 101	1
Physical Education	1
Social Science Core*	6
	36

SOPHOMORE YEAR	**SEM. HRS.**
Chemistry 251, 251L; 252, 252L; 311, 311L	13
English 333	3
Genetics 451	3
History, philosophy, religion, foreign language, or allied arts	6
Microbiology 101, 101L	4
Physical Education	1
Social Science Core*	3
	33

JUNIOR YEAR	**SEM. HRS.**
Biology 424, 424L	4
Chemistry 321, 321L	4
Elective	3
Mathematics 314	3
Microbiology 411, 411L; 441, 441L	8
Medical Technology 302, 302L, 306, 306L; 309, 309L, 400	13
	35

SENIOR YEAR	**SEM. HRS.**
Phase I	
Medical Technology 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412	34
Phase II	
Medical Technology 451, 452, 455, 456, 457, 458, 459	18
	52

*Total of nine hours from the following areas, with no more than three hours from any one area: anthropology, economics, geography, political science, psychology, or sociology.

DEPARTMENT OF MICROBIOLOGY

Peter K. Stocks, Chairman

Ellender, Middlebrooks, Peebles, Stoddard, Torrey, Yarbrough

The Department of Microbiology offers programs of study leading to the degrees of the Bachelor of Science, the Master of Science, the Doctor of Philosophy. For information on the master's and the Doctor of Philosophy programs, please consult the **Graduate Bulletin.**

The Department of Microbiology is designed to prepare students for careers in medical and industrial (applied) microbiology, food science and technology, and genetics. Current course offerings provide for an undergraduate major in microbiology and food science and technology, or a minor in genetics.

REQUIREMENTS FOR A MAJOR IN MICROBIOLOGY

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 101L, 102, 102L	8
English 101, 102	6
Humanities and Fine Arts Core	6
Mathematics 101, 103	6
Microbiology 101, 101L	4
Physical Education/ROTC	1
	31

SOPHOMORE YEAR	SEM. HRS.
English 333	3
Chemistry 351, 351L, 352, 352L	8
Mathematics 314*	3
Microbiology 301*, 301L*, 411, 411L	8
Physics 101, 101L, 102, 102L	8
Social Science Core	6
	36

JUNIOR YEAR	SEM. HRS.
Chemistry 421, 422	6
Computer Science 211, 212	6
Genetics 402*, 403**, 404L*	8
Microbiology 421**. 421L**, 441, 441L, 455**, 455L**	12
Physical Education/ROTC	1
Social Science Core	3
	36

SENIOR YEAR	SEM. HRS.
Biology 448*, 448L*, 449*, 449L*	4
Chemistry 451*, 451L*	4
Electives	3
Genetics 461**, 461L**	4
Microbiology 422**, 422L**, 461**, 461L**, 471**,471L**	12
	27
TOTAL:	130

*Alternate courses may be substituted at the discretion of the adviser.

**Courses taught in alternate years or as needed by the department to fulfill student demand.

REQUIREMENTS FOR A MAJOR IN FOOD SCIENCE AND TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
Biology 101, 101L, 102, 102L	8
Chemistry 101, 101L, 102, 102L	8
English 101, 102	6
Food Science 101	3
Mathematics 101, 103	6
Physical Education	2
	33

SOPHOMORE YEAR	SEM. HRS.
Chemistry 351, 351L, 352, 352L	8
Food Science 310, 489	4
Humanities and Fine Arts Core	6
Mathematics 314*	3
Microbiology 101, 101L	4
Social Science Core	6
	31

JUNIOR YEAR	SEM. HRS.
Chemistry 311*, 311L*	5
English 333	3
Food and Nutrition 362	3

SENIOR YEAR	SEM. HRS.
Chemistry 421*	3
Computer Science 211*	3
Electives	8

Food Science 350, 350L, 410, 489	8
Genetics 402	3
Microbiology 461, 461L	4
Physics 101, 101L, 102, 102L	8
	34

Food Science 450, 450L, 451, 451L, 489	9
Microbiology 471, 471L	4
Social Science Core	3
	30
TOTAL:	128

Recommended electives include: Psychology 110; Economics 200; Marketing 300; Management 350, 454; Genetics 421; Chemistry 422, 427, 428; Microbiology 411, 411L.

*Alternate courses may be substituted at the discretion of the adviser.

INSTITUTE OF GENETICS

Karen M. Yarbrough, Director

Peebles, Stoddard

The Institute of Genetics participates in programs leading to the Master of Science and the Doctor of Philosophy degrees through the Department of Microbiology. Information on these programs may be obtained from the **Graduate Bulletin.** The Institute of Genetics also offers a minor in genetics at the bachelor's level.

A minimum of eighteen (18) semester hours is required which should include GEN 402, 403, and 451. The remainder of the program is to be selected with the approval of the Director of the Institute of Genetics.

DEPARTMENT OF PHYSICS AND ASTRONOMY

William E. Hughes, Chairman

Folse, Rayborn, Rusk, Suggs

The primary objectives of the Department of Physics are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to serve as teachers in secondary school, serve as physicists in government or industry, or pursue professional work and graduate study in physics.

The department offers programs of study leading to the Bachelor of Science degree in Physics and the Master of Science degree in Physics. Information relating to the MS degree may be found in the **Graduate Bulletin.**

Leaflets giving outlines of undergraduate programs that will meet all departmental and University requirements are available from the Physics Department office. Students planning to major or minor in physics should obtain these leaflets as soon as possible.

It is assumed that the high school mathematical preparation of entering freshman physics students includes algebra, geometry, and trigonometry.

REQUIREMENTS FOR A MAJOR IN PHYSICS

SCHEDULE I

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Mathematics 276, 277 or 278, 377	6-9
Physical Education or ROTC/AFROTC	2-3
Physics 101, 101L, 102, 102L, or	8-10
Physics 201, 201L, 202, 202L	
Social Studies Core	6
	28-34

SOPHOMORE YEAR	SEM. HRS.
Chemistry 101, 101L, 102, 102L	8
Computer Science 240	3
English 333	3
Humanities Core	3
Mathematics 378, 379	6
Physics 341, 341L, 361, 361L	8
Social Studies Core	3
	34

JUNIOR YEAR	SEM. HRS.
Computer Science 340	3
Mathematics 385, 415	6
Physics 327, 327L, 328, 328L 331, 331L, 332, 350, 351	21
	30

SENIOR YEAR	SEM. HRS.
Humanities Core	3
Mathematics Electives	6
Physics 421, 422, 461, 462	12
Science Electives	9
	30
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN PHYSICS

SCHEDULE II

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Mathematics 276, 277 or 278, 377	6-9
Physical Education or ROTC/AFROTC	2-3
Physics 101, 101L, 102, 102L, or	8-10
Physics 201, 201L, 202, 202L	
Social Studies Core	6
	28-34

SOPHOMORE YEAR	SEM. HRS.
Computer Science 240	3
English 333	3
Humanities Core	3
Mathematics 378, 379	6
Physics 327, 327L, 328, 328L	19
Physics 331, 331L, 332, 361, 361L	
	34

JUNIOR YEAR	SEM. HRS.
Computer Science 340	3
Humanities Core	3
Mathematics 385, 415	6
Physics 341, 341L, 421, 422, Physics 461, 462	16
Social Studies Core	3
	31

SENIOR YEAR	SEM. HRS.
Chemistry 101, 101L, 102, 102L	8
Mathematics Electives	9
Physics 350, 351	6
Physics Elective	3
Science Electives	9
	35
TOTAL:	128-134

DEPARTMENT OF POLYMER SCIENCE

B. George Bufkin, Chairman

Burks, Canfield, Hester, McCormick, Neidlinger, R. Seymour, Thames, Wildman

The Department of Polymer Science offers programs of study leading to the degrees of the Bachelor of Science in Polymer Science, the Bachelor of Science in Plastics Technology, the Master of Science in Polymer Science, and the Doctor of Philosophy in Polymer Science. For information concerning the master's and Doctor of Philosophy degree, see the **Graduate Bulletin.**

BACHELOR OF SCIENCE IN POLYMER SCIENCE

The objective of this curriculum is to prepare the graduate to enter the industrial community or to continue his studies at the graduate level. The Bachelor of Science in Polymer Science constitutes an interdisciplinary program of study and, therefore, no minor is required.

REQUIREMENTS FOR A MAJOR IN POLYMER SCIENCE

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 101L 102, 102L	8
English 101, 102	6
Humanities And Fine Arts Core	6
Mathematics 103, 278	8
Physical Education/ROTC	2
Polymer Science 191	2
Social Science Core	3
	35

SOPHOMORE YEAR	SEM. HRS.
Chemistry 351, 351L, 352, 352L	9
Mathematics 377, 379	7
Physics 201, 201L, 202, 202L	10
Polymer Science 291	2
Social Science Core	6
	34

JUNIOR YEAR	SEM. HRS.
Chemistry 311, 311L	5
Computer Science 240	3
Elective	3
Mathematics 385	3
Polymer Science 301, 301L, 302, 302L	8
Polymer Science 360, 361, 361L	8
	30

SENIOR YEAR	SEM. HRS.
Electives	7
English 333	3
Polymer Science 401, 401L, 402, 402L	8
Polymer Science 470, 470L	5
Polymer Science 480	3
Polymer Science 490, 490L, 491, 491L	8
	34
TOTAL:	133

BACHELOR OF SCIENCE IN PLASTICS TECHNOLOGY

The Plastics Technology curriculum is designed to prepare the student to enter the rapidly expanding plastics industry. A plastics technology major will complete a minimum of forty-two (42) semester hours in the major field. No minor is required. Each student will be assigned an adviser to plan the proper course sequence within the student's interest.

REQUIREMENTS FOR A MAJOR IN PLASTICS TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
Chemistry 101, 101L, 102, 102L	8
English 101, 102	6
Humanities And Fine Arts Core	6
Mathematics 101, 103	6
Physical Education	2
Polymer Science 191	2
Social Science Core	3
	33

SOPHOMORE YEAR	SEM. HRS.
Chemistry 351, 351L, 352, 352L	9
Mathematics 278, 377	9
Physics 201, 201L, 202, 202L	10
Polymer Science 291	2
Social Science Core	6
	36

JUNIOR YEAR	SEM. HRS.
Chemistry 311, 311L	5
Computer Science 240	3
Mathematics 385	3
Polymer Science 301, 301L, 302, 302L	8
Polymer Science 310	1
Polymer Science 350	3

SENIOR YEAR	SEM. HRS.
Electives	6
English 333	3
Polymer Science 401, 401L, 402, 402L	8
Polymer Science 460, 460L, 461, 461L	8
Polymer Science 470, 470L	5

Polymer Science 360, 361, 361L	8	Polymer Science 480	3
Polymer Science 430	3	Polymer Science 490, 490L	4
	34		37
		TOTAL:	140

DEPARTMENT OF SCIENCE EDUCATION

Including Fundamentals of Science

Bobby N. Irby, Chairman

Bellipanni, F. Brown, I. Brown, Cotten, Dale,

Matthews, Milkent, J.R. Moore, Sonnier, Story

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

Objectives

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Curriculum and Instruction, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide programs for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year of college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from twenty-three (23) to twenty-nine (29) semester hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the program is given below:

REQUIREMENTS FOR A MAJOR IN SCIENCE EDUCATION

Biology Specialty

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
Biology 101, 102	8
English 101, 102	6
History 101, 102, or 140, 141	6
Mathematics 101, 103	6
Political Science 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Biology 202	4
Chemistry 101, 102	8
Fundamentals of Science 104	3
Mathematics 314	3
Microbiology 101	4
Physical Education	2
Psychology 110	3
Research and Foundations 300, 469	6
	33

JUNIOR YEAR	SEM. HRS.
Biology Electives (above 300)	9
Chemistry 251	4
Educational Psychology 372, 374	6
English 332	3
Genetics 402	3
Health & Safety Education 101	3
Science Education 454	3
	31

SENIOR YEAR	SEM. HRS.
Curriculum & Instruction 456, 313, 486	15
English 200, 201, 202, or 404	3
Free Elective	1
Geology 101	4
Speech Communication 111	3
Science Education 470	3
Sociology 101	3
	32
TOTAL:	128

Chemistry Specialty

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
Chemistry 101, 102	8
English 101, 102	6
History 101, 102, or 140, 141	6
Mathematics 101, 103	6
Political Science 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
Chemistry 351, 352	9
Fundamentals of Science 104, 106, 107	9
Geology 101	4
Physical Education	2
Psychology 101	3
Research & Foundations 300	3
Sociology 101	3
	33

JUNIOR YEAR	SEM. HRS.
Chemistry 311, 321	9
Educational Psychology 372, 374	6
English 200, 201, 202, or 404	3
Health & Safety Education 101	3
Mathematics 314	3
One Free Elective	3
Speech Communication 111	3
Science Education 455	3
	33

SENIOR YEAR	SEM. HRS.
Chemistry Elective (300, 400)	4
Curriculum & Instruction 456, 313, 486	15
English 332	3
One Free Elective	2
Research & Foundations 469	3
Science Education 471	3
	30
TOTAL:	128

Earth Science Specialty

FRESHMAN YEAR	SEM. HRS.
English 101, 102	6
Fundamentals of Science 104	3
Geology 101	4
Health & Safety Education 101	3
History 101, 102, or 140, 141	6
Mathematics 101, 103	6
Physical Education	2
Political Science 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
Allied Arts 100	3
Fundamentals of Science 105, 106, 107	9
Geography 323	3
Geology 103	4
Mathematics 314	3
Psychology 110	3
Research & Foundations 300	3
Sociology 101	3
	31

JUNIOR YEAR	SEM. HRS.
Astronomy 311, 312	8
Educational Psychology 372	3
English 200, 201, 202, or 404	3
English 332	3
Geography 324, 325	6
One Geography Elective	3
Research & Foundations 469	3
Science Education 453	3
	32

SENIOR YEAR	SEM. HRS.
Curriculum & Instruction 456, 313, 486	15
Educational Psychology 374	3
Free Elective	4
Geology 341	4
Speech Communication 111	3
Science Education Elective	3
	32
TOTAL:	128

Physics Specialty

FRESHMAN YEAR	SEM. HRS.
Allied Arts 100	3
English 101, 102	6
Fundamentals of Science 105, 106	6
History 101, 102, or 140, 141	6
Mathematics 101, 103	6
Physical Education	2
Political Science 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
English 200, 201, 202, or 404	3
Fundamentals of Science 107	3
Mathematics 314, 276	6
Physics 101, 102	8
Psychology 110	3
Speech Communication 111	3
Research & Foundations 300	3
Sociology 101	3
	32

JUNIOR YEAR	SEM. HRS.
Educational Psychology 372, 374	6
Geology 101	4
Health & Safety Education 101	3
One Free Elective	3
Physics Electives (300, 400)	4
Physics 361, 292, or 106	8
Research & Foundations 469	3
Science Education 455	3
	34

SENIOR YEAR	SEM. HRS.
Curriculum & Instruction 456, 313, 486	15
English 332	3
Physics Elective (300, 400)	4
Science Education 472	3
Two Free Electives	5
	30
TOTAL:	128

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be over-emphasized that students should consult with their assigned adviser each semester. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Students in the College of Science and Technology and in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

FUNDAMENTALS OF SCIENCE

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundaments of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

The FS 130 series is designed for elementary education and special education majors. These courses are sequential and they should be taken in numerical order.

UNIVERSITY OF SOUTHERN MISSISSIPPI—GULF COAST

Joe E. Holloway, Dean

G. Bullard, Burch, H. Daniel, Eickemeyer, Elias, Gardner, Gjestland, B. Lee, Manly, Markwalder, Masztal, Ozerden, Pantin, L. Phillips, Poulos, J. Reeves, B.E. Smith, L.G. Thomas, C. Thompson, Wallace, Wilder

The University of Southern Mississippi Gulf Coast serves students at three locations: the Gulf Park Campus in Long Beach, the Keesler Center on Keesler Air Force Base, and USM Jackson County Center located on the Jackson County Campus of the Mississippi Gulf Coast Junior College District in Gautier. USM Gulf Coast is a part of a cooperative plan to provide comprehensive higher education on the Mississippi Gulf Coast. While local junior colleges administer programs at the lower division level, USM Gulf Coast offers upper division and graduate level instruction to commuting students who wish to pursue their higher education goals at a pace of nine semester hours or less per term.

The Two-Plus-Two articulation agreement with the Mississippi Gulf Coast Junior College District and Pearl River Junior College assures a smooth transition for students who transfer from the junior college's freshman-sophomore programs to the upper level programs at USM Gulf Coast. In order to take full advantage of the articulation and other benefits of the Two-Plus-Two agreement, the junior college student should initiate a Two-Plus-Two Pre-Admission Application (available from USM Gulf Coast or one of the campuses of the junior colleges) as soon as the student has decided upon a major area of study.

USM Gulf Coast enables the University of Southern Mississippi to bring its courses and programs to residents of the Mississippi Gulf Coast. All USM Gulf Coast courses and programs are offered through the appropriate departments and colleges on the Hattiesburg Campus. Accordingly, most of the policies governing USM Gulf Coast undergraduate programs are identical with those stated elsewhere in this **Bulletin.** Information unique to the Regional Campus undergraduate programs is outlined below.

SCOPE

USM Gulf Coast provides a flexible delivery system designed to meet the educational needs of Coast citizens. Consequently, new courses and programs are added as student demand warrants and resources permit. A sufficient number of courses are now available so that USM Gulf Coast students may earn their entire baccalaureate degree(s) with majors in the following areas: Business Administration, Business Administration with Real Estate emphasis, Computer Science, Computer Science-Data Processing, Computer Technology, Criminal Justice, Elementary Education, English, History, Industrial Technology with Electronics emphasis, Industrial Technology with Manufacturing emphasis, Industrial and Vocational Education with Post-Secondary Certification emphasis, Industrial and Vocational Education with Secondary Certification emphasis, Mathematics, Psychology, Paralegal Studies, Political Science, Secondary Education, Social Studies, and Special Education. As the scope of the USM Gulf Coast program broadens in response to student demand, majors in other areas will become available. In addition to these degree completion programs, students can obtain a substantial amount of their baccalaureate degree requirement in other majors offered by the University of Southern Mississippi parent campus. Prospective students are invited to contact a USM Gulf Coast adviser in order to discuss course availability in their area of special interest.

Accreditation

As an integral division of the University of Southern Mississippi, USM Gulf Coast is accredited by the Southern Association of Colleges and Schools—Commission on Colleges and by the National Council for the Accreditation of Teacher Education.

Admission

In keeping with the status of USM Gulf Coast as an upper-level institution, regular admission is open to students who have attained junior standing (54 semester hours). The USM Gulf Coast Dean can authorize special exceptions to this rule for persons who need a limited number of courses for specialized professional and/or cultural development. In other respects, admission requirements are identical with those outlined elsewhere in this **Bulletin.** In order to facilitate proper advisement and predetermination of admission status, students should furnish transcripts and complete applications for admission at least twenty days prior to registration. Students who are unable to meet this deadline may be provisionally admitted at registration. Transcripts of provisional students must be received by the middle of the term in which they register. The University is in no way committed to continue enrollment, refund fees or tuition payments, grant grades, or otherwise award any credit if all of the required admission forms are not received on time or if the provisional student is found to be ineligible for admission. Transcripts and the complete applications should be sent to the Director of Student Services, USM Gulf Coast, Long Beach, MS 39560.

Course Load

Students are permitted to carry a total of nine (9) semester hours per term through USM Gulf Coast. Credit workshops taken on the Regional Campus will be counted as part of the nine-hour load.

Honors

Special policies have been formulated in order to accord official recognition to students who achieve outstanding academic records. **Dean's List:** Students will be placed on the quarterly USM Gulf Coast Dean's List if they attain a quality point ratio of 3.25 or above on an academic load of not less than six (6) semester hours. **Degrees with Honors:** USM Gulf Coast students with exceptional academic records may be awarded a degree with honors or with highest honors. The residence requirements for such degrees is not less than five (5) terms with a load of not less than six (6) semester hours of credit each term and totaling not less than fifty-four (54) semester hours of credit with the University of Southern Mississippi. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

Fees

All USM Gulf Coast student fees are assessed in accordance with the University's part-time student fee schedule quoted elsewhere in this **Bulletin.** Students who enroll concurrently at USM Hattiesburg and USM Gulf Coast must pay separate fees for the USM Gulf Coast courses.

CALENDAR

USM Gulf Coast offers four terms per year. Holidays follow the same schedule as the Hattiesburg Campus Calendar found elsewhere in this **Bulletin.**

TERM	REGISTRATION
Fall 1980-81	Aug. 26-27, 1980
Winter 1980-81	Nov. 11-12, 1980
Spring 1980-81	Feb. 17-18, 1981
Summer 1980-81	June 2-3, 1981

SPECIAL DEGREE PROGRAM

The Bachelor of Science degree with a major in Business Administration is awarded through the University of Southern Mississippi Gulf Coast.

Basic Curriculum Outside Business Administration

The business administration graduate, though career oriented, must work and live in a changing society which will continually offer him personal and business challenges. Business and industry leaders must have a background which makes them cognizant of the past, articulate in many subjects, and adaptable to change. Therefore, the following courses from the arts and sciences have been selected for the purpose of providing the business administration student with a broad perspective and foundation upon which one can build one's knowledge of basic business tools and specialized subjects.

It may be observed that the courses below include primarily those at the freshman/sophomore level. Unless advised to the contrary, the student may choose to substitute certain junior and senior level courses offered on the Gulf Coast if they are of particular interest.

	Hours
English 101, 102—Freshman English	6
Social Science—Geography or political science	3
History—HIS 101, 102; 140, 141 (or advanced courses)	6
Mathematics 101, 112 (College algebra and applied algebra)	6
Speech Communication 111 (or advanced course)	3
Science (Biology, chemistry, fundamentals, geology, physics)	6
Humanities (Literature, allied arts, philosophy, foreign language, religion)	9
Behavioral Science (Anthropology, psychology, sociology)	6
Mathematics or science elective (MAT 312 recommended)	3
Elective (Behavioral science, computer science, social science or math)	3
Physical Education, ROTC/AFROTC, or approved substitute	2 or 3
	53 or 54

Basic Business Core Curriculum for Business Administration Majors

The business courses listed below are required of all students majoring in Business Administration. These courses should provide the student with the basic tools which are needed for advanced courses as well as a broad understanding of the entire area of business and of the economy in which business and industry operate. Only those courses numbered 300 and above are offered on the Gulf Coast.

	Hours
ACC 201, 202—Principles of Accounting I and II	6
ECO 225, 256—Principles of Economics I and II	6
GBA 290—Fundamentals of FORTRAN (or approved substitute: CSS 240, 342)	3
GBA 295—Legal Environment of Business	3
ACC 300—Administrative Accounting	3
MKT 300—Principles of Marketing	3
ECO 301, 302—Elementary Statistics I and II	6
ECO 330—Money and Public Policy	3
MGT 360—Fundamentals of Management	3
FIN 389—Business Finance	3
MGT 485—Administrative Policy	3
	42

Major Requirements

In the major field, the student must choose courses from several areas of business administration. These may be chosen from the variety of courses listed below. This list will serve as a guide in selecting those subjects which are of interest and which best suit one's purpose.

	Hours
Major Requirements as listed below	27
Economics and General Business Administration	6
ECO 335—Economics of the Firm	
ECO 401—Public Finance	
GBA 311—Advanced Business Law	
*GBA 375—Managerial Communications	
GBA 415—Government and Business	
Finance, Real Estate, and Insurance	6
FIN 320—Personal Finance	
FIN 350—Bank Administration	
FIN 355—Problems in Bank Administration	
FIN 352—Principles of Investment	
*FIN 480—Financial Management	
REI 325—General Insurance	
REI 330—Real Estate Principles	
REI 334—Residential and Rural Valuation	
REI 340—Real Estate Law	
REI 345—Property Management	
REI 432—Real Estate Finance	
Management and Marketing	9
*MGT 364—Personnel Management	
MGT 386—Safety Management	
MGT 454—Human Relations	
MGT 455—Behavioral Issues in Organizations	
MGT 464—Work Methods & Performance Standards	
MGT 465—Production & Operations Management	
MGT 472—Labor Relations	
MGT 484—Problems in Personnel Administration	
MKT 330—Salesmanship	
MKT 342—Principles of Retailing	
MKT 365—Consumer Behavior	
*MKT 428—Marketing Management	
Business electives from any area above	6
*Required Courses	
Free Electives	0-6
Total hours required for graduation	128 or 129

NOTE: The student may select, as elective credit, one or more upper level accounting courses offered on the Gulf Coast.

**ACC 301—Intermediate Accounting I
ACC 302—Intermediate Accounting II
ACC 320—Cost Accounting
ACC 330—Federal Income Tax Accounting I

**Students electing to take ACC 301 may not take ACC 300 in the business administration core for credit.

UNIVERSITY OF SOUTHERN MISSISSIPPI-NATCHEZ

Billy W. Gore, Dean
L. Bowers, Carriere, Gibson, Harris, Hensley,
Lindecamp, Lunan, Parks, Presley, Welsh

DEGREE PROGRAMS

The University of Southern Mississippi offers at its Natchez Campus the Bachelor of Science degree with a major in Elementary Education; the Bachelor of Science or a Bachelor of Arts with majors in English, History, Mathematics, Criminal Justice, or Political Science; the Bachelor of Science degree in Secondary Education with majors in Social Studies, History, Political Science, English, Mathematics, Business Education, Library Science, or Psychology. Additionally, master's degrees are offered in Elementary Education, Reading, Secondary Education, Special Education, Educational Administration. All of the above degree programs are offered through the respective departments at USM-Hattiesburg with coordinators, advisers, professional staff, and classes available on a continuing basis at the USM-Natchez Campus.

With the exception of the residence hour requirements, degree programs at USM-Natchez follow regulations and curricular outlines found in the appropriate sections of the **Bulletin.**

In addition to the degree programs above, the University of Southern Mississippi-Natchez offers the Master of Science in Management. This program is offered by the University at the Natchez Campus only. A description of the Bachelor of Science in Business Administration degree will follow later in this **Bulletin.** A description of the Master of Science in Management may be found in the USM-Natchez section of the **Graduate Bulletin.**

Admission

Since the University of Southern Mississippi-Natchez is an upper level and graduate institution, admission to degree programs is open to students who have attained junior standing. However, students who have not attained junior standing and meet other requirements for admission to the University may be admitted on a per course basis as special students. In other respects, admission requirements are identical with those outlined earlier in this **Bulletin.** Transcripts and completed applications should be sent to the Director of Admissions and Records, USM-Natchez, Natchez, MS 39120.

Course Load

Undergraduate students may enroll at USM-Natchez for a maximum of nine (9) semester hours per quarter.

Residence Requirements

The following regulations are residence requirements for USM-Natchez;

1. At least thirty-two (32) semester hours of credit must be earned at one, or a combination of, the University's three degree-granting campuses;
2. At least nine (9) of these thirty-two hours must be earned in the student's major field;
3. At least sixteen (16) of these thirty-two hours (exclusive of student teaching) must be taken at the USM-Natchez Campus.

Honors

Dean's List: Students will be placed on the quarterly USM-Natchez Dean's List if they attain a quality point ratio of 3.25 or above on an academic load of not less than six (6) semester hours.

Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirements for such degrees is not less than five (5) quarters with a load of not less than six (6) semester hours of credit each quarter and totaling not less than fifty-four (54) semester hours of credit with the University of Southern Mississippi. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

Supporting Programs

In addition to offering degree programs in the areas mentioned above USM-Natchez regularly schedules courses in support of many degrees offered only through the Hattiesburg campus, thereby enabling a student to earn a portion of his degree requirements locally.

Advisement

For the student's own protection, it is imperative that all program planning be accomplished in consultation with official advisers. A student pursuing a degree at USM-Natchez should consult with the departmental coordinator who is in charge of that degree program. Students pursuing degrees at the USM-Hattiesburg campus should consult with a professional adviser in their respective degree areas on that campus.

BACHELOR OF SCIENCE

(with the major in Business Administration)

Lindecamp and Parks, Coordinators

The degree of Bachelor of Science with the major in Business Administration is awarded by the University of Southern Mississippi, Natchez. Students are prepared to perform proficiently in beginning level managerial jobs, to think critically through problems that the beginning business manager will confront, and to contribute to society as productive, informed citizens.

Purposes

American society is increasingly aware of the growing need for managerial skills. The Bachelor of Science with the major in Business Administration is designed to prepare competent managers for business, government, and other non-profit organizations. To adapt himself to the technological and organizational changes which he will inevitably confront as a manager, the student is taught to think critically and analytically. He is prepared not only for proficiency as a beginning manager, but for professional growth and increasing competence throughout his career. Courses taken in liberal arts and scientific disciplines further prepare the student for his role as productive citizen by creating an appreciation for the enriching, cultural aspects of daily living.

Accreditation

The Bachelor of Science with the major in Business Administration is, as are all other programs of the University of Southern Mississippi-Natchez, operated under the auspices of the Southern Association of Colleges and Secondary Schools.

Student Advisement

The Departmental Coordinators in Business Administration are responsible for the academic advisement of students.

Expenses

Tuition is the same for Business Administration students as for all other students at USM-Natchez.

Business Administration courses at the University of Southern Mississippi-Natchez are limited to upper division and graduate courses. These are offered to commuting students of the Natchez region. Because of this limitation, the freshman and sophomore years' work must be completed elsewhere. (Offerings of the Copiah-Lincoln Junior College's Natchez campus will fill this need.) The required freshman and sophomore level courses, which must be completed elsewhere, are as follows:

REQUIREMENTS FOR A MAJOR IN BUSINESS ADMINISTRATION

ENG 101, 102; ENG 351***or History Elective; ENG 370*** or History Elective;
ENG 371 or History Elective
MAT 101, 112; MAT, BIO, CHE, or FS Elective
BIO 101, 102 or FS 104, FS 105
GBA 290 or CSS 240, GBA 295, 375
PSY 110; SOC 101
HSE 101; SCM 111
ACC 201, 202, 300
ECO 255, 256, 301, 302, 330
MGT 360; MGT 454 or GHY or PS Elective; MGT 364* or GHY or PS Elective; 485
MKT 300, 428; FIN 389, 480
ART 332, 337, 334, 335, or ENG
***PED/ROTC/AFROTC (2 hours)
ACC, ECO, FIN, GBA, REI, MGT or MKT electives to a total of 21 hours.***

*Students should take either MGT 364 or MGT 454
**Students should take either ENG 370 and 371 or ENG 350 and 351.
***Students should select one ECO elective; one FIN, GBA, or REI elective; one MKT elective; one MGT elective; a field emphasis of two courses from any of these fields or from ACC; and, one additional course from any of these fields.

DIVISION OF CONTINUING EDUCATION AND PUBLIC SERVICE

Clyde N. Ginn, Dean

Joseph E. Tinnon, Assistant Dean

The Division of Continuing Education and Public Service enables the University to extend its resources of knowledge, skills, and artistry to all who seek to profit from them. This is accomplished through the operation of the Departments of Independent Study, Conferences and Workshops, Community Service Programs, and Professional Development. In addition, courses are scheduled throughout the state which are designed to provide for the needs of individual populations.

DEPARTMENT OF INDEPENDENT STUDY

Billy R. Folkes, Director

The Department of Independent Study offers over one hundred courses which may be taken for University credit. These courses count for regular credit in the University and for approved credit on State Certificates for Teaching. As many as thirty-three (33) semester hours (no more than nine (9) in any one academic area) of the total 128 hour baccalaureate degree requirements may be earned in independent study courses, subject to the provisions outlined in detail in the Department of Independent Study 1979-1980 **Bulletin.**

Independent study courses are particularly suited to the needs of the student who wishes to move at his own rate, and for the student who is unable to attend a university. These courses allow the student to earn credit through the advantages of home study.

A complete high school curriculum is available through independent study, and courses are acceptable as entrance credits by the University. A High School Independent Study Catalog is available on request.

The Counselor in the Department of Independent Study serves as the Statewide coordinator for The Great Decisions Program, sponsored nationally by the Foreign Policy Association. Great Decisions is an annual program of discussion among citizens meeting informally to discuss key foreign policy topics of critical importance to the United States.

For further information, contact:

Director, Department of Independent Study
University of Southern Mississippi
Southern Station, Box 5056
Hattiesburg, Mississippi 39401

DEPARTMENT OF CONFERENCES AND WORKSHOPS

William A. Bufkin, Director

The Department of Conferences and Workshops has the responsibility of coordinating the administrative and logistical details for all credit and non-credit conferences, institutes, workshops, clinics, camps, and special training program activities, sponsored by the University. This department stands ready at all times to assist University departments, and educational, professional business, and industrial groups in setting up conferences, institutes, workshops, or special training programs.

Either academic credit or continuing eduction unit (c.e.u.) credit may be awarded for conference, institute, or workshop attendance, provided the activity is offered through an existing course number or is given prior approval by the appropriate University council. The number of contact hours necessary for a three semester hour credit activity is equivalent to the number of contact hours necessary for satisfactory completion of a regular on-campus course. Activities awarding graduate credit are required to conform to special credit policies established by the Graduate Council.

Conveniently located and comfortable building facilities are available on or near the three University campuses and near the Universities' Center in Jackson for groups of any size. Meals and housing in air-conditioned facilities, all at nominal rates, are also available

to individuals participating in both credit and non-credit programs at Hattiesburg and Gulf Park campuses. Additional conveniences include the location of motels, restaurants, shopping centers and recreational facilities within walking distance.

DEPARTMENT OF COMMUNITY SERVICES AND WOMEN'S PROGRAMMING

Janis James, Director

The Department of Community Services is set up to aid individuals, both university and non-university, in tapping the resources of the University in noncredit programs. Noncredit special interest classes are organized on the University's campuses. The department also assists groups and organizations who request the use of University facilities for meetings or other special non-credit activities. Other services provided by this department include assisting outside organizations such as high schools, junior and senior colleges, civic organizations, etc., in obtaining University talent. This talent may take the form of speakers, dramatic and musical groups, and many of the other resources representative of the University.

Another service being offered is the Listener's License program, whereby individuals may audit University courses on a non-credit basis without actively participating in the class and without being required to complete class requirements.

Recently added to the departments offering is Women's Programming. These programs are designed to meet the varied needs of today's woman.

DEPARTMENT OF PROFESSIONAL DEVELOPMENT

Billy R. Folkes, Director

The Department of Professional Development is charged with the responsibility of organizing and administering all regular courses taught off-campus in locations other than degree granting centers of Gulf Park and Natchez. Such courses fall into five categories:(1) courses that comprise in-service training programs for various school systems: (2) refresher courses for various professional and business areas; (3) special service programs; (4) travel credit programs; (5) CDA training for Head Start Agencies. The purpose of Professional Development is to offer additional educational opportunities to those individuals who have a desire to pursue particular studies apart from or beyond degree sequences and to those individuals with professional skills that require updating and upgrading.

The department coordinates foreign and domestic programs which may be for credit or non-credit. All credit courses and programs are approved by the respective academic department chairman prior to the start of the activity.

DEPARTMENT OF BUSINESS AND INDUSTRIAL PROGRAMS

Donna J. Garvey, Coordinator

The Department of Business and Industrial Programs has been established due to the increased number of requests from business and industry regarding in-service and other training programs. This department serves as a catalyst between business and industrial leaders and the University faculty and staff in developing successful training and other educational programs. Once the area of educational need has been determined, the Department will facilitate program development by working with appropriate university departments. All financial and logistical details will be coordinated by the Department of Business and Industrial Programs.

Either academic credit or continuing education unit (c.e.u.) credit may be awarded for in-service or other training program attendance, provided the activity is offered through an

existing course number and is given prior approval by the appropriate University department or council. The number of contact hours necessary for a three semester hour activity is equivalent to the number of contact hours necessary for satisfactory completion of a regular on-campus course. Activities awarding graduate credit are required to conform to special credit policies established by the Graduate Council.

UNIVERSITY OF SOUTHERN MISSISSIPPI-JACKSON

Brantley Greeson, Coordinator

The University offers courses at the Universities' Center in Jackson as part of a cooperative program with other state universities. For information about offerings write:

USM-Jackson
The Universities' Center
1855 Eastover Drive
Jackson, MS 39211

or

Division of Continuing Education
and Public Service
Southern Station, Box 5055
Hattiesburg, MS 39401

COURSE DESCRIPTIONS

INDEX OF ABBREVIATIONS FOR FIELDS OF INSTRUCTION

AA	Allied Arts
AAC	Athletic Administration and Coaching
ACC	Accounting
ACT	Architectural Technology
ADE	Adult Education
AMS	American Studies
ANT	Anthropology
AOS	Aerospace Studies
APM	Applied Music
ARE	Art Education
ART	Art
AST	Astronomy
BCT	Building Construction Technology
BED	Business Education
BIO	Biology
CD	Child Development
CHE	Chemistry
CI	Curriculum and Instruction: CIE Elementary CIS Secondary
CJ	Criminal Justice
CLT	Comparative Literature
COM	Communication
CPY	Counseling Psychology
CSS	Computer Science and Statistics
CT	Clothing and Textiles
ECO	Economics
EDA	Educational Administration
ELT	Electronics Technology
ENG	English
EPY	Educational Psychology
ESC	Environmental Technology
EVD	Environmental Design
FIN	Finance
FL	Foreign Languages
FN	Food and Nutrition
FS	Fundamentals of Science
FSC	Forensic Science
FST	Food Science and Technology
GBA	General Business Administration
GEN	Genetics
GHY	Geography
GLY	Geology
HEE	Home Economics Education
HHM	Housing and Home Management
HIS	History
HON	Honors College
HRA	Hotel and Restaurant Administration
HSE	Health and Safety Education see also Athletic Administration and Coaching
HUM	Humanities
IAD	Institution Administration
INT	Industrial Technology
IVE	Industrial and Vocational Education
JOU	Journalism
LS	Library Science
MAT	Mathematics
MED	Music Education
MET	Mechanical Technology
MFL	Marriage and Family Life
MGT	Management
MIC	Microbiology
MKT	Marketing
MS	Military Science
MTC	Medical Technology
MUS	Music
NSG	Nursing
PED	Physical Education; see also Athletic Administration and Coaching
PHI	Philosophy
PHY	Physics
PS	Political Science
PSC	Polymer Science
PSY	Psychology
REC	Recreation
REF	Research and Foundations
REI	Real Estate and Insurance
REL	Religion
RTF	Radio-Television-Film
SCE	Science Education
SCI	Science
SCM	Speech Communication
SHS	Speech and Hearing Sciences
SOC	Sociology
SPE	Special Education
SWK	Social Work
THE	Theatre Arts
THY	Therapy

EXPLANATION

The semester credit hours are listed after the title of each course.

Example:

201. **Principles of Accounting I.** 3 hrs. An introduction to financial information systems.

The courses marked (JC 1213) are those courses at USM which are equivalent to junior college courses. It should be noted that there is a variance in course sequence between the junior colleges and USM. In addition, courses with the same junior college numbers vary from college to college. An adviser should be consulted prior to course scheduling.

ACCOUNTING (ACC—605)

201. **Principles of Accounting I.** 3 hrs. An introduction to financial information systems. (JC 1213, 1214)

202. **Principles of Accounting II.** 3 hrs. Prerequisite: ACC 201. A continuation of ACC 201. (JC 1223, 1224)

300. **Administrative Applications of Accounting.** 3 hrs. Prerequisite: ACC 202. The use of financial information for administrative decision making within the firm.

301. **Intermediate Accounting I.** 3 hrs. Prerequisite: ACC 202.An intensive study of financial statement theory and preparation.

302. **Intermediate Accounting II.** 3 hrs. Prerequisite: ACC 301. A continuation of ACC 301.

307. **Fund Accounting.** 3 hrs. Prerequisites: ACC 302, 320. The study of governmental and fund accounting principles.

320. **Elementary Cost Accounting.** 3 hrs. Prerequisite: ACC 202. A study of cost accounting systems and methods.

330. **Federal Income Tax Accounting I.** 3 hrs. Prerequisite: ACC 301. The legal environment of business as affected by the federal income tax law and regulations.

401. **Advanced Accounting I.** 3 hrs. Prerequisite: ACC 302. A Continuation of ACC 302.

402. **Advanced Accounting II.** 3 hrs. Prerequisite: ACC 401 or consent of instructor. A continuation of ACC 401.

405. **Current Accounting Theory and Research.** 3 hrs. Prerequisite: ACC 320, 402, 409 or consent of instructor. A study of the accounting literature with emphasis on contemporary problems.

409 **Auditing I.** 3 hrs. Prerequisite: ACC 302. An introduction to the financial statement attest function.

410. **Auditing II.** 3 hrs. Prerequisite: ACC 409. A continuation of ACC 409.

420. **Advanced Cost Accounting and Budgeting.** 3 hrs. Prerequisite: ACC 320. A continuation of ACC 320 with emphasis on cost analysis for decision making.

430. **Federal Income Tax Accounting II.** 3 hrs. Prerequisite: ACC 330. A continuation of ACC 330.

480. **CPA Law Review.** 3 hrs. Prerequisites: GBA 311 and 24 hours of accounting beyond principles.

492. **Research in Accounting Problems.** 1-3 hrs. Prerequisite: Senior Standing and consent of instructor. Individual research on an approved accounting topic.

ADULT EDUCATION (ADE—110)

440. **Methods and Materials in Adult Education.** 3 hrs. Reviews the uses and adaptation of various materials and techniques for teaching adults. Relates content and methods.

441. **Foundations of Reading Instruction for the Adult.** 3 hrs. Examines the basis of reading instruction in relation to the needs and characteristics of the non-literate adult.

442. **Methods and Materials for Teaching Adults to Read.** 3 hrs. Materials, diagnostic and evaluative procedures, and laboratory experiences will be included.

445. **Teaching the Disadvantaged Adult.** 3 hrs. Characteristics, needs, and problems are related to programs and procedures found to be successful.

476. **Learning in Adult Education.** 3 hrs. A study of learning in adulthood, and related to a range of educational programs.

490. **Special Problems in Adult Education.** 3 hrs. May be arranged for an individual or a group with common interests. Permission of the department chairman required.

494. **Student Teaching in Adult Education.** 9 hrs. Prerequisite: CIA 440 or 441 or 442 or IVE 431 or 435. For students who plan to teach in an adult education program or a postsecondary vocational center and who are not presently employed in such a program.

495. **Internship in Adult Education.** 9 hrs. A nine-months, supervised experience for practicing teachers of adults.

AEROSPACE STUDIES (AOS—202)

First-Year Aerospace Studies

101. **General Military Course.** 2 hrs. A beginning course to introduce the student to the Air Force ROTC Program and the contemporary Air Force. Laboratory included.

103. **General Military Course.** 2 hrs. Examines the functions and employment of U.S. General Purpose and U.S. Aerospace Forces. Laboratory included.

Second-Year Aerospace Studies

201. **The Developmental Growth of Air Power.** 2 hrs. Events and personalities contributing to the development of air power as a primary element of national security. Laboratory included.

203. **The Developmental Growth of Air Power.** 2 hrs. The changing mission of the defense establishment, emphasizing the impact of air power on strategic thought. Laboratory included.

Third-Year Aerospace Studies

312. **Military Management Skills.** 4 hrs. Compares the functions of the Air Force commander and his staff with contemporary management theory. Laboratory included.

313. **Military Leadership and Management.** 4 hrs. Examines leadership and management roles of the junior Air Force officer. Includes communications security. Laboratory included.

Fourth-Year Aerospace Studies.

404. **Flight Instruction Program.** 2 hrs. Prerequisite: AOS 313 or permission of the instructor. Includes instruction in principles of flight, weather, and navigation.

412 **National Defense Forces in Contemporary American Society.** 4 hrs. Focuses on the prerequisites for maintaining adequate national security forces. Laboratory included.

413. **National Defense Forces in Contemporary American Society.** 4 hrs. Institutional structures involved in the formulation and implementation of U.S. Defense policies. Laboratory included.

492. **Special Projects.** 1-4 hrs.

ALLIED ARTS (AA—655)

100. **Introduction to the Arts.** 3 hrs. An overview of the fine arts with examination, through team teaching, of the nature of musical, plastic, and theatrical art forms. (JC 1233)

AMERICAN STUDIES (AMS—204)

304. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

403. **Seminar in American Studies.** 3 hrs. Required of American Studies majors during senior year. Open to other majors with permission of professor.

404. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

492. **Special Problems.** 1-3 hrs.

ANTHROPOLOGY (ANT—286)

101. **Introduction to Anthropology.** 3 hrs. A beginning course in anthropology stressing the origin and the evolution of man, culture, and society. (JC-ANT-2213)

201. **Physical Anthropology.** 3 hrs. Origin and description of the diverse races of man.

204. **Introduction to Archeology.** 3 hrs. Methods and findings of archeological research. Students will also have the opportunity to participate in a local "dig."

212. **Cultural Anthropology.** 3 hrs. A comparative approach to the analysis of human cultural and social diversity. Includes an outline survey of world culture areas. (JC-SOC-2243)

305. **Human Osteology.** 3 hrs. Applications of skeletal examination to forensic medicine, fossil man, diet, diseases, growth, and development of ancient man.

310. **Archeology of North America.** 3 hrs. A study of the origin and development of prehistoric American Indian cultures, emphasizing the Southeastern United States.

311. **Introduction to Linguistic Anthropology.** 3 hrs. Origin and inter-relationship of the major languages of the world.

312. **Peoples and Cultures of Europe.** 3 hrs. Ethnology of Europe and the adjacent North African and Middle Eastern territories.

313. **Peoples and Cultures of Africa.** 3 hrs. An ethnological survey of the major culture areas of the African continent with particular reference to Sub-Saharan Africa.

314. **Peoples and Cultures of Asia.** 3 hrs. Ethnological survey of Asia, Oceania, and Australasia.

315. **American Indian Cultures.** 3 hrs. Ethnological survey of the Americas stressing pre-Columbian and North American Indian cultures.

316. **Biblical Archeology.** 3 hrs. A survey of ancient Near Eastern peoples and cultures as reconstructed by anthropology and archeology.

320. **Urban Anthropology.** 3 hrs. Origin, evolution, and problems of urban communities including a survey of the techniques employed by urban anthropologists.

401. **Primate Behavior.** 3 hrs. Study of nonhuman Old and New World primates with regard to growth, behavior, social organization, and ecology.

403. **Prehistoric Archeology.** 3 hrs. A survey of the archeology of the Old World.

404. **Mediterranean Archeology.** 3 hrs. The archeology of complex societies with particular reference to the general area.

411. **Foundations of Indo-European Thought and Culture.** 3 hrs. A comparative approach to the background of western culture, utilizing linguistics, mythology, and archeology.

412. **Mythology and Folklore.** 3 hrs. A survey of the major folklore traditions.

413. **History of Anthropological Theory.** 3 hrs. A general survey of historical anthropological thought and of the major contemporary schools of anthropological theory.

414. **Archeology Methods.** 3 hrs. Methodology and techniques of archeological field work including participation in organized filed projects.

420. **Culture and Ethnicity.** 3 hrs. An analysis of culture and ethnicity with special reference to the problem of modernization.

425. **Seminar in Anthropology.** 3 hrs. Guided research and discussion for anthropology majors.

434. **Primitive Religion.** 3 hrs. Beliefs and ritual in primitive society. Relationship between magic and early religion. Animism, animatism, ghost-worship, and cults of death.

492. **Special Problems.** 1-3 hrs. A problem study to be approved by the department chairman.

ARCHITECTURAL TECHNOLOGY (ACT—392)

132. **Architectural Graphics.** 3 hrs. Principles of orthographic projection and related drafting techniques applied to architectural and mechanical systems.

204. **Building Materials.** 3 hrs. Properties, characteristics, and utilization of materials used in construction.

221. **Architectural Models.** 2 hrs. Prerequisite: ACT 261. Introduction to materials and techniques used in architectural modeling.

222. **Architectural History.** 3 hrs. Analysis of man's achievements in the design and construction of major architectural developments from early times to present.

241. **Statics.** 3 hrs. Prerequisites: MAT 133, PHY 105. Forces using vector notation; static equilibrium of rigid bodies, friction, centroids, and moment of inertia.

261. **Residential Planning and Design.** 3 hrs. Prerequisite: ACT 204. Analysis and problem solutions in the design and planning of residential buildings.

262. **Architectural Design I.** 3 hrs. Prerequisites: ACT 261. Design concepts and building types related to high density living areas.

315. **Mechanical Systems.** 3 hrs. Design, installation, and performance of mechanical systems.

316. **Electrical Systems.** 3 hrs. Design, installation, and performance of electrical equipment for residential and commercial buildings.

323. **Architectural Rendering.** 3 hrs. Prerequisites: ARE 207, ACT 132. Visual expression of architectural principles and structures. Perspectives, shades, shadows, colors, etc.

324. **Architectural Landscaping.** 3 hrs. Principles of landscaping as applied to the building environment.

325. **Office Practice.** 2 hrs. Prerequisite: BCT 336. Preparation of contract documents, contract administration, and architectural office operations.

326. **Specifications.** 2 hrs. Development and writing of architectural project specifications.

338. **Architectural Working Drawings.** 3 hrs. Prerequisite: BCT 336. Emphasis on detailing, graphics, plan coordination and development of working drawings.

342. **Strength of Materials.** 3 hrs. Prerequisites: ACT 241, MAT 236. Stresses, strains, torsion, shear and moment in beams, bending, combining stresses, and columns.

363. **Architectural Design II.** 3 hrs. Prerequisite: ACT 362. Design concepts and building types related to human work spaces and service facilities.

364. **Architectural Design III.** 3 hrs. Prerequisite: ACT 363. Design concepts and building types related to areas of public assembly and educational facilities.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser.

400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

401. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

417. **Illumination and Acoustics.** 2 hrs. Prerequisite: ACT 316. Study of architectural lighting systems, principles of acoustics and sound control in the design of buildings.

443. **Structural Design.** 3 hrs. Prerequisite: ACT 342. Function and design of wood and steel structural components and systems.

457. **Architectural Estimating.** 2 hrs. Prerequisite: BCT 354. Development of project budgets from schematic stages through final design using conceptualized estimating and value engineering methods.

458. **Industrialized Building Systems.** 2 hrs. Prerequisite: ACT 364. Design and development of industrialized building systems and design-build contract methods.

465. **Architectural Design IV.** 3 hrs. Prerequisite: ACT 364. Design problems related to churches and religious education buildings.

466. **Architectural Design V.** 3 hrs. Prerequisite: ACT 364. Integration of architectural and environmental consideration into large scale human habitat.

467. **Architectural Restoration.** 2 hrs. Prerequisite: ACT 364. Study of preservation, restoration and reconstruction of existing buildings.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

ART (ART—660)

(*Permission of instructor necessary)

101. **Drawing I.** 3 hrs. A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking. (JC 1313)

102. **Drawing II.** 3 hrs. Prerequisite: ART 101*. A continuation of ART 101. (JC 1323)

111. **Design I.** 3 hrs. A study of the basic elemental relationships, plastic intergration factors, principles, and the ordering of them toward expression. (JC 1413)

112. **Design II.** 3 hrs. Prerequisite: ART 111*. A continuation of the study of design with color theory and practice. (JC 1423)

131. **Theoretical Foundations.** 3 hrs. A study of the scope and nature of the plastic expressions with some bases for criticism. (JC 1113)

201. **Figure Drawing I.** 3 hrs. Prerequisite: *. Study of the structure and anatomy of the human figure. Drawing and study from the figure.

202. **Figure Drawing II.** 3 hrs. Prerequisite: *. Advanced study from the human figure involving composition and sustained drawings.

203. **Figure Drawing III.** 3 hrs. Prerequisite: *. Advanced drawing from the figure involving composition, expression and personal vision.

212. **Crafts.** 3 hrs. A study of the techniques and problems involved in the creation and design of jewelry. May not be used toward the major in art or art education.

213. **Crafts.** 3 hrs. A continuation of ART 212 with emphasis in lapidary work. May not be used toward the major in art or art education.

221. **Technical Foundations for Painting.** 3 hrs. Prerequisites: ART 102 and 112*. Experimental problems with traditional painting media and techniques.

251. **Ceramics.** 3 hrs. Traditional techniques in the forming, firing, and glazing of clay. May not be used toward the major or minor in art or art education.

301. **Drawing.** 3 hrs. Prerequisite: ART 102*. Expressive use of a variety of perspective systems.

302. **Drawing.** 3 hrs. Prerequisite: ART 202. Advanced study of visual form in drawing.

303. **Drawing.** 3 hrs. Prerequisite: ART 302. Advanced problematic study of form in drawing moving toward personal expression.

304. **Workshop in Drawing.** 1-3 hrs. arr. A variety of drawing experiences which may be pursued by students at various levels. May not be used toward the major or minor.

305. **Graphic Arts I.** 3 hrs. Prerequisites: ART 102 and 112. A study of techniques and design for linoleum-cut, wood-cut, wood-engraving, and seriography.

306. **Graphic Arts II.** 3 hrs. Prerequisite: ART 305. A study of techniques and design for intaglio. (Line-engraving, dry-point, and etching.)

307. **Graphic Arts III.** 3 hrs. Prerequisite: ART 306. A study of techniques and design for lithography.

311. **Design.** 3 hrs. Prerequisite: ART 112*. Studio problems in design, emphasis individual student needs.

312. **Design.** 3 hrs. Prerequisite: ART 311*. Studio problems in design, emphasis individual needs.

313. **Design.** 3 hrs. Prerequisite: ART 312*. Advanced studio problems in design.

321. **Painting I.** 3 hrs. Prerequisite: ART 221*. Introduction to problematic study of form in painting.

322. **Painting II.** 3 hrs. Prerequisite: ART 321*. Advanced problematic study of form in painting.

323. **Painting III.** 3 hrs. Prerequisite: ART 322*. Advanced problematic study of painterly form moving toward an introduction to personal expression.

324. **Workshop in Painting.** 1-3 hrs. Painting experiences which may be pursued by students at various levels. May not be used toward the major or minor.

331. **Directed Museum and Gallery Tour.** 1 hr. An elective addendum to ART 131. Field trip and tour of galleries and museums for the viewing of original works.

332. **History of Art I.** 3 hrs. Ancient art. A survey course.

333. **History of Art II.** 3 hrs. Medieval art. A survey course.

334. **History of Art III.** 3 hrs. Renaissance and Baroque art. A survey course.

335. **History of Art IV.** 3 hrs. Ninteenth and twentieth century art. A survey course.

341. **Commercial Techniques I.** 3 hrs. Prerequisites: ART 102 and 112*. The rendering of objects and materials for commercial presentation.

342. **Commercial Techniques II.** 3 hrs. Prerequisites: ART 341*. Hand and precision lettering and advertising and show card layout.

343. **Commercial Techniques III.** 3 hrs. Prerequisites: ART 341, 342*. Study of commercial illustrative techniques and their application to layout problems.

344. **Illustration.** 3 hrs. Study of photographic illustration. Problems and techniques involving the relation of the medium to the subject.

351. **Three Dimensional Techniques.** 3 hrs. Prerequisite: ART 113. Experimental and traditional techniques in the manipulation of clay and plaster.

352. **Three Dimensional Techniques.** 3 hrs. Prerequisite: ART 113. Experimental and traditional techniques in manipulation of metal and wood.

412. **Crafts I.** 3 hrs. Prerequisite: ART 112. A study of the techniques and problems involved in the creation and design of jewelry.

413. **Crafts II.** 3 hrs. Prerequisite: ART 112 or ART 412. A continuation of ART 412 with emphasis in lapidary work.

414. **Crafts III.** 3 hrs. Prerequisite: ART 112 or ART 412. Techniques and problems involved in the creation and design of various fabrics with fibrous materials.

415. **Trends in Current Plastic Expression.** 3 hrs. A course designed to keep the student abreast of current trends in the plastic arts.

420. **Adapting Selected Current Art Trends.** 3 hrs. Art trends are identified and developed in terms of philosophies, practitioners, backgrounds, and techniques.

421. **Painting IV.** 3 hrs. Prerequisites: ART 323*. A personal search in painting. Class discussion and criticism.

422. **Painting V.** 3 hrs. Prerequisites: ART 421*. Advanced development of a personal language and statement in painting.

423. **Painting VI.** 3 hrs. Prerequisites: ART 422. A sustained individual effort in painting leading to the independent work of the senior project.

428. **Painting Project.** 3 hrs. Prerequisites: ART 422, 423*. Independent expressive problem in painting culminating with an exhibition.

431. **Ancient Art.** 3 hrs. Prerequisite: ART 332. Artistic achievements of the ancient world. A careful analysis of examples correlated with their background.

432. **Medieval Art.** 3 hrs. Prerequisite: ART 333. Art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century.

433. **Renaissance Art.** 3 hrs. Prerequisite: ART 333. Art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century.

434. **Baroque and Rococo Art.** 3 hrs. Prerequisite: ART 333 and 334. The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

435. **Nineteenth Century Art.** 3 hrs. Prerequisite: ART 334. An analysis of Neo-Classicism, Romanticism, and Impressionism.

436. **Twentieth Century Art.** 3 hrs. Prerequisite: ART 334. An analysis of Fauvism, Cubism, Futurism, Surrealism, and Expressionism.

441. **Graphic Communication I.** 3 hrs. Prerequisite: ART 343*. Problems in advertising design, with particular attention to modern reproduction methods.

442. **Graphic Communication II.** 3 hrs. Prerequisite: ART 441. Continuation of ART 441 including color separation techniques and typographic experiments.

443. **Graphic Communication III.** 3 hrs. Prerequisite: ART 442. A continuation of ART 442, with particular emphasis on professional procedure.

448. **Graphic Communication Project.** 3 hrs. Prerequisite: ART 443*. Project in advertising design and presentation involving considerable research. Seminar.

451. **Three Dimensional Expression.** 3 hrs. Prerequisite: ART 351. Aesthetic problems in three dimensional expression, emphasis clay or plaster.

452. **Three Dimensional Expression.** 3 hrs. Prerequisite: ART 352. Aesthetic problems in three dimensional expression, emphasis wood, metal, or plastics.

453. **Three Dimensional Expression.** 3 hrs. Prerequisite: ART 451. Utilitarian problems in three dimensional expression, emphasis clay.

454. **Three Dimensional Expression.** 3 hrs. Prerequisite: ART 452. Three dimensional expression, emphasis wood, metal, or plastics.

458. **Three Dimensional Design Project.** 3 hrs. Prerequisites: ART 452 and 454. Project in three dimensional expression involving considerable research. Seminar.

ART EDUCATION (ART—665)

207. **Introductory Art.** 3 hrs. For non-art majors. Fundamentals of lettering, drawing, perspective light and shade, color theory, design, and display techniques. (JC 1213)

309. **Elementary School Art.** 3 hrs. Prerequisite: ARE 207 (elementary education majors); ART 101 and ART 111 (art education majors). Art theory and techniques to the elementary classroom situation.

310. **Public School Art.** 3 hrs. Prerequisite: ARE 309. An application of art theory and techniques to the secondary classroom situation.

320. **Directed Tour of Exemplary Art Education Programs.** 3 hrs. Prerequisite: ARE 309 or 310. Observation of exemplary art education programs in operation in the U.S. or abroad.

392. **Special Projects for Teachers I, II.** 2 hrs. Prerequisite: ARE 207. Projects in art and methods of presentation to children in the elementary grades.

426. **Curriculum and Instruction in Art Education.** 3 hrs. A study of the art curriculums and instructional programs in the public schools in grades K through twelve.

491. **Art Education Workshop.** 2 hrs. A study of art education problems. This course may not be applied toward a degree in art education.

492, **Art Education Project.** 3 hrs. Prerequisite: ARE 309 and ARE 310. A research project in specialized art techniques as applied to the classroom situation.

ASTRONOMY (AST—365)

111. **General Astronomy.** 3 hrs. Introduction to the coordinate systems of the earth and celestial sphere, the solar system, comets, and meteorites.

111-L. **General Astronomy Laboratory.** 1 hr.

112. **General Astronomy.** 3 hrs. Astronomy of deep space, galaxies, the stellar energy cycle.

112-L. **General Astronomy Laboratory.** 1 hr.

ATHLETIC ADMINISTRATION AND COACHING (AAC—710)

210. **Varsity Football.** 1 hr.

211. **Varsity Basketball.** 1 hr.

212. **Varsity Baseball.** 1 hr.

213. **Varsity Track and Field.** 1 hr.

214. **Varsity Tennis.** 1 hr.

215. **Varsity Golf.** 1 hr.

240. **Techniques of Officiating Minor Sports.** 3 hrs. Personal skills and officiating techniques in varsity sports. To include track and field, swimming, golf, and tennis.

300. **Foundations and Trends in Athletics and Coaching.** 3 hrs. The role of athletics in society. The sociological, cultural, and ethical dealings with athletics as it relates to coaching.

303. **Organization and Administration of High School Athletics.** 3 hrs. The organizational and administrative procedures of major and minor sports programs.

320. **Basic Techniques of Coaching Football.** 3 hrs. The study of offensive and defensive fundamentals. The philosophies, terminology, strategy, and individual techniques used in football.

321. **Basic Techniques of Coaching Basketball.** 3 hrs. A study of basketball fundamentals. The history, philosophy, terminology, strategy, and individual techniques of basketball.

322. **Coaching Wrestling.** 2 hrs. Fundamentals of coaching wrestling as it relates to the selection of personnel, skills, and proper training procedures.

323. **Coaching Volleyball.** 2 hrs. Fundamentals of coaching volleyball as it relates to the selection of personnel, skills, and proper training procedures.

340. **Coaching Golf.** 2 hrs. Theoretical and practical approach to golf instruction. Course planning and maintenance, rules and etiquette, and tournament administration.

341. **Coaching Tennis.** 2 hrs. Techniques of coaching tennis. Construction and maintenance of tennis courts. Organization and administration of a tennis program.

360. **The Organization and Administration of Aquatics.** 3 hrs. Community and school swimming programs, pool operation, maintenance, and sanitation.

361. **Coaching Swimming and Diving.** 3 hrs. Fundamental principles involved in swimming and diving. Selection and placement of personnel, practice schedules, and training techniques.

362. **Life Saving: Rescue and Water Safety.** 2 hrs. Prerequisite: Proficiency in swimming. American Red Cross Advanced Life Saving Certificate awarded upon course completion.

370. **Prevention and Care of Athletic Injuries.** 3 hrs. Theory and practice for the prospective trainer and coach.

371. **Diagnostic Techniques.** 3 hrs. A specialized course dealing with anatomy, injury symptoms, and specific tests to help make preliminary evaluation of injuries.

372. **Athletic Therapy Modalities.** 2 hrs. The theory and operation of the most commonly used therapeutic devices of the training room.

373. **Strength, Conditioning, and Rehabilitation.** 2 hrs. Building stronger athletes, developing maximum efficiency, and post-injury rehabilitation.

402. **Competitive Sports for Children and Youth.** 3 hrs. An analysis of the organization, administration, trends, and effects of competitive sports for children and youth.

403. **The Role of Women in Competitive Sports.** 3 hrs. A historical and theoretical analysis of fundamentals, techniques, methods, administrative procedures, and the implementation of Title IX.

404. **Equipment and Facilities for Competitive Athletics.** 3 hrs. The planning and administration of facilities to include purchasing, care, and inventory of equipment.

405. **Governing Agencies for Competitive Athletics.** 3 hrs. An indepth study of the governing agencies related to the administration and control of athletic competition.

409. **Psychological and Sociological Aspects of Coaching.** 3 hrs. The analysis and study of human behavior patterns as they relate to athletics.

420. **Techniques of Officiating Sports.** 3 hrs. Personal skills and officiating techniques of sports.

421. **Advanced Techniques of Coaching Football.** 3 hrs. Player selection, offensive and defensive formations, and game organization and strategy.

422. **Advanced Techniques of Coaching Basketball.** 3 hrs. The criteria of player selection with emphasis on the area of theory, principles, and techniques of offensive and defensive planning and strategy.

423. **Coaching Baseball.** 3 hrs. The study of advanced techniques of baseball. Emphasis placed on player selection and placement, team organization, and game strategy.

424. **Coaching Track and Field.** 3 hrs. Selecting personnel, fundamentals, and training techniques.

425. **Field Experience in Officiating Competitive Athletics.** 3 hrs. Prerequisites: AAC 240 and AAC 420. To provide an opportunity for practical experience in officiating competitive athletics.

460. **Water Safety Instructor's WSI.** 2 hrs. Prerequisite: AAC 362. Knowledge and skills beyond the scope of Advanced Life Saving; certifying personnel to conduct water safety courses in schools and communities.

470. **Development of Athletic Attributes.** 3 hrs. The development and administering of strength, endurance, flexibility, reaction, speed, and agility programs.

471. **Practice Organization, Scouting, and Communication Techniques.** 3 hrs. Daily practice plans. Scouting techniques, cinematography, instructional materials, techniques and equipment for coaches.

472. **Field Experience in Athletic Training.** 3 hrs. During the senior year, all students working toward an athletic training certificate will be given actual practice in the field.

473. **Practicum in Athletic Administration and Coaching.** 1-6 hrs. Provision of experiences in the unique phases of the Department of Athletic Administration and Coaching program.

474. **Taping and Wrapping of Athletic Injuries.** 2 hrs. Prerequisites: AAC 370 and AAC 371. Practical taping and wrapping experiences consisting of observation and actual taping of all types of athletic injuries.

475. **Medical Aspects of Athletic Training.** 3 hrs. Team physician and trainer relationships. Physical examination, emergency equipment, medical terminology, and problems related to the team doctor.

476. **Training Room Practice.** 3 hrs. Practical training room experiences consisting of observation and actual practice of training room techniques.

477. **Seminar in Sports Medicine.** 3 hrs. A study of modern methods and techniques utilized in sports medicine as it relates to coaches, trainers, and team physicians.

BIOLOGY (BIO—305)

101. **Principles of Animal Biology.** 3 hrs. An organism presentation of the lower animals; basic anatomy is discussed with emphasis on the ecology. (JC 1133, 1143, 1144, 2414)

101-L. **Principles of Animal Biology Laboratory.** 1 hr.

102. **Diversity of Plant Life.** 3 hrs. Basic anatomical structures and physiological processes of higher plants with minor emphasis on lower plants. (JC 1134 - 1133*)

102-L. **Diversity of Plant Life Laboratory.** 1 hr.

202. **Vertebrate Biology.** 3 hrs. Prerequisite: BIO 101. Anatomy and physiology of vertebrate systems. Correlation of structure and function is emphasized. (JC 2424)

202-L. **Vertebrate Biology Laboratory.** 1 hr.

220. **Human Anatomy and Physiology I.** 3 hrs. Cells and tissues; integumentary, skeletal, muscular, respiratory and circulatory systems. No credit for biology majors. (JC 1513, 2513)

220-L. **Human Anatomy and Physiology I Laboratory.** 1 hr.

221. **Human Anatomy and Physiology II.** 3 hrs. Digestive, nervous, urogenital and endocrine systems. No credit for biology majors.

*1133 is accepted by description from Hinds Junior College.

221-L. **Human Anatomy and Physiology II Laboratory.** 1 hr. (JC 1523, 2523)

250. **Ornamental Horticulture.** 3 hrs. Study of the factors necessary for the growth, propagation, recognition, and control of ornamental plants.

251. **Landscape Planning.** 3 hrs. Soil conditioning, shrubbery placement, and care and maintenance of managed landscapes.

255. **General Botany.** 3 hrs. Prerequisite: BIO 102. A study of plant form and function utilizing representative plant groups.

255-L. **General Botany Laboratory.** 1 hr.

315. **Cellular Physiology.** 3 hrs. Prerequisites: 8 hours of biology, 9 hours of chemistry. Cellular anatomy, chemistry, and physics.

320. **Comparative Anatomy.** 3 hrs. Phylogeny of the chordates, with special emphasis on vertebrate organ systems.

320-L. **Comparative Anatomy Laboratory.** 1 hr.

401. **History of Biology.** 3 hrs. Lectures and papers concerning the development of biological sciences.

404. **Herpetology.** 2 hrs. BIO 101, 102. Collection, preservation, identification and distribution of amphibians and reptiles. Field trips when possible.

404-L. **Herpetology Laboratory.** 1 hr.

405. **Pharmacology.** 3 hrs. Prerequisites: Vertebrate biology and organic chemistry. The response of living organisms to drugs.

410. **Electron Microscopy.** 1 hr. Theory and use of the electron microscope and associated instrumentation, and darkroom techniques.

410-L. **Electron Microscopy Laboratory.** 2 hrs.

411. **Histology.** 3 hrs. Prerequisite: 12 hours of biology. Microscopic anatomy of mammalian organ systems.

411-L. **Histology Laboratory.** 1 hr.

412. **Microtechnique.** 1 hr. Techniques for sectioning, mounting, and staining tissue and making whole mounts.

412-L. **Microtechnique Laboratory.** 2 hrs.

415. **Pathobiology.** 2 hrs. Prerequisite: BIO 411. Principles of histopathology of vertebrates and invertebrates.

415-L. **Pathobiology Laboratory.** 1 hr.

420. **Embryology.** 2 hrs. Prerequisites: BIO 101, 102. Maturation, fertilization, cleavage, histogenesis, and organogenesis.

420-L. **Embryology Laboratory.** 2 hrs.

422. **Advanced Embryology.** 2 hrs. Prerequisite: BIO 420. Factors which activate or regulate developmental processes.

422-L. **Advanced Embryology Laboratory.** 1 hr.

423. **Protozoology.** 2 hrs. Prerequisites: BIO 101, 102. Introduction to parasitic and free-living protozoa.

423-L. **Protozoology Laboratory.** 1 hr.

424. **Human Parasitology.** 3 hrs. Prerequisites: BIO 101, 202. Life histories, medical significance, and diagnosis of helminths and protozoa parasitic in man.

424-L. **Human Parasitology Laboratory.** 1 hr.

426. **Medical Entomology.** 2 hrs. Prerequisite: Consent of instructor. Arthropod vectors and agents of disease.

426-L. **Medical Entomology Laboratory.** 1 hr.

428. **Environmental Physiology.** 2 hrs. Physiological adaptations enabling animals to meet environmental challenges.

428-L. **Environmental Physiology Laboratory.** 1 hr.

429. **Invertebrate Physiology.** 2 hrs. Prerequisite: 12 hours of biology. A functional approach to the major invertebrate phyla.

429-L. **Invertebrate Physiology Laboratory.** 1 hr.

430. **Mammalian Physiology.** 3 hrs. The functions of mammalian systems; interrelationships and regulation are emphasized.

430-L. **Mammalian Physiology Laboratory.** 1 hr.

432. **Comparative Animal Physiology.** 3 hrs. Organismic function and the adaptations which characterize major animal groups.

432-L. **Comparative Animal Physiology Laboratory.** 1 hr.

434. **Endocrinology.** 3 hrs. Prerequisites: BIO 101, 202, or consent of instructor. Survey of the endocrine system and its regulation of physiological processes.

435. **Ethology.** 3 hrs. Prerequisite: BIO 202. Classical and current concepts of animal behavior including individual and social behavioral patterns.

436. **Invertebrate Zoology I.** 2 hrs. Prerequisites: BIO 101, 102. Survey of Invertebrate Phyla Protozoa to Annelida.

436-L. **Invertebrate Zoology I Laboratory.** 1 hr.

437. **Invertebrate Zoology II.** 2 hrs. Prerequisite: BIO 436. Survey of Invertebrate Phyla through Hemichordata.

437-L. **Invertebrate Zoology II Laboratory.** 1 hr.

438. **Entomology.** 2 hrs. Prerequisites: BIO 101, 102. Structural adaptations, classification, life histories and habits, and the economic importance of insects.

438-L. **Entomology Laboratory.** 1 hr.

439. **Arachnida Biology.** 2 hrs. Prerequisites: BIO 101, 102. Biology, morphology, and classification of the arachnids.

439-L. **Arachnida Biology Laboratory.** 1 hr.

440. **Ichthyology.** 2 hrs. Collection, preservation, and identification of local fresh water fishes and fish-like vertebrates.

440-L. **Ichthyology Laboratory.** 1 hr.

441. **Ornithology.** 2 hrs. Prerequisite: BIO 320 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

441-L. **Ornithology Laboratory.** 1 hr.

442. **Mammalogy.** 2 hrs. Prerequisite: BIO 320 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

442-L. **Mammalogy Laboratory.** 1 hr.

443. **Principles of Nomenclature.** 3 hrs. Prerequisite: Consent of instructor. Discussions and problems in biological nomenclature.

444. **Biology of Fishes.** 2 hrs. Prerequisite: Consent of instructor. Systematics and ecology of fishes.

444-L. **Biology of Fishes Laboratory.** 1 hr.

445. **Introduction to Fishery Science.** 2 hrs. A survey of the biology, management, and potential yield of fish populations.

445-L. **Introduction to Fishery Science Laboratory.** 1 hr.

448. **Introductory Mycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of fungi.

448-L. **Introductory Mycology Laboratory.** 1 hr.

449. **Introductory Phycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of the algae.

449-L. **Introductory Phycology Laboratory.** 1 hr.

450. **Plant Anatomy.** 2 hrs. Prerequisite: BIO 102. A study of the anatomy of vascular plants.

450-L. **Plant Anatomy Laboratory.** 1 hr.

451. **Bryophytes and Vascular Plants.** 3 hrs. Prerequisite: BIO 101, 102. Life cycles, evolution, and morphology of bryophytes and vascular plants.

451-L. **Bryophytes and Vascular Plants Laboratory.** 1 hr.

453. **Aquatic and Marsh Plants.** 2 hrs. Prerequisite: Consent of instructor. Collection, identification, and ecology of plants of fresh and brackish water.

453-L. **Aquatic and Marsh Plants Laboratory.** 1 hr.

454. **Plant Physiology.** 2 hrs. Prerequisite: General and organic chemistry recommended. The basic physiological processes of green plants.

454-L. **Plant Physiology Laboratory.** 1 hr.

455. **Economic Botany.** 2 hrs. Prerequisite: BIO 102 or consent of instructor. Origin, distribution, and significance of plants most important to man.

455-L. **Economic Botany Laboratory.** 1 hr.

457. **Taxonomy of Local Flora.** 2 hrs. Prerequisites: BIO 101, 102. The classification of the local flora.

457-L. **Taxonomy of Local Flora Laboratory.** 1 hr.

458. **Dendrology.** 2 hrs. Prerequisite: BIO 102. The taxonomic and ecological characteristics, and the distribution of trees.

458-L. **Dendrology Laboratory.** 1 hr.

460. **Zoogeography.** 3 hrs. Prerequisite: Consent of instructor. A descriptive and analytical study of the distribution of animals.

461. **Ecology.** 2 hrs. Prerequisite: Consent of instructor. Interrelationships of organisms to their environment.

461-L. **Ecology Laboratory.** 1 hr.

462. **Population and Community Ecology.** 2 hrs. Collection, analysis, and interpretation of data on natural populations and communities.

462-L. **Population and Community Ecology Laboratory.** 1 hr.

465. **Freshwater Biology.** 1 hr. Prerequisite: Consent of instructor. Collection, identification, and ecology of aquatic organisms significant to water quality.

465-L. **Freshwater Biology Laboratory.** 2 hrs.

466. **Limnology.** 2 hrs. Prerequisite: Consent of instructor. The physical, chemical, and biological conditions in lakes, ponds, and streams.

466-L. **Limnology Laboratory.** 1 hr.

467. **Introduction to Biological Oceanography.** 2 hrs. Topography, bottom sediments, and characteristics of sea water.

467-L. **Introduction to Biological Oceanography Laboratory.** 1 hr.

470. **Natural History of Infectious Diseases.** 3 hrs. A study of infectious diseases and their effect on man.

472. **Natural History of Animals.** 1 hr. Prerequisite: Consent of instructor. Life histories of animals. Designed for teachers.

472-L. **Natural History of Animals Laboratory.** 2 hrs.

473. **Natural History of Plants.** 1 hr. Prerequisite: Consent of instructor. Life histories of plants. Designed for teachers.

473-L. **Natural History of Plants Laboratory.** 2 hrs.

475. **Plant Ecology.** 2 hrs. Prerequisite: Advanced standing in botany. Relationship of plants to their environment.

475-L. **Plant Ecology Laboratory.** 1 hr.

492. **Biological Problems I, II, III, IV.** 1-6 hrs. Courses in special techniques, designed for majors with a need for certain basic techniques as tools for research.

493. **Field Biology.** 2-6 hrs. arr. Ecological and taxonomic studies. Offered between semesters as 4- to 12-day field trips.

496. **Undergraduate Seminar I, II, III.** 1-3 hrs. The presentation and discussions of current biological topics.

The following courses are taught at the Gulf Coast Research Laboratory in Ocean Springs by the Gulf Coast Research Laboratory Staff.

481. **Marine Vertebrate Zoology.** 6 hrs. Prerequisite: 16 hours of biology. Survey of marine chordates; fishes, reptiles, mammals, and shore birds.

483. **Marine Invertebrate Zoology.** 6 hrs. Prerequisites: 16 hours of biology. Morphology, distribution, and ecology of the phyla Protozoa through Protochordates.

485. **Marine Parasitology.** 6 hrs. Prerequisite: Consent of instructor. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships.

486. **Salt Marsh Ecology.** 4 hrs. The botanical aspects of local marshes; includes plant identification, composition and structure.

487. **Marine Aquaculture.** 6 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks.

488. **Introduction to Marine Zoology.** 4 hrs. Prerequisite: 8 hours of biology. An introduction to marine environment and local fauna.

489. **Marine Botany.** 4 hrs. Prerequisite: 10 hours of biology including botany. A survey, based upon local examples, of the principal groups of marine algae.

BUSINESS EDUCATION (BED—105)

101. **Elementary Typewriting.** 3 hrs. For **beginners.*** Acquiring keyboard control, developing correct typewriting techniques, and applying this skill to problems. (JC 1103, 1113)

102. **Intermediate Typewriting.**** 3 hrs. A review of keyboard and manipulative controls, with emphasis on letter styles, manuscripts, and tabulated reports. (JC 1123)

200. **Introduction to Business Communication.** 3 hrs. Basic mechanics of grammar usage and punctuation for business communications.

201. **Beginning Shorthand.** 3 hrs. For **beginners.*** Shorthand theory with practice; emphasis on fluency of reading and writing; some dictation and transcription. Laboratory included. (JC 1203, 1213)

202. **Intermediate Shorthand.**** 3 hrs. Review of shorthand theory, with emphasis on dictation, pre-transcription factors, and transcription. Laboratory included. (JC 1223)

300. **Business Communications.** 3 hrs. Prerequisites: BED 200, ENG 101 and 102. Study and application of principles and techniques used in analyzing problems and writing effective business letters and memos.

302. **Foundations in Consumer and Economics Education.** 3 hrs. Concepts and principles of economic and business structures for economic literacy.

305. **Dictation and Transcription.**** 3 hrs. Automatic review of shorthand theory, with emphasis on speed and transcription of mailable transcripts. Laboratory included.

310. **Advanced Typewriting.**** 3 hrs. Emphasis on speed and accuracy in preparing stencils, business forms, legal documents, tables, manuscripts, and letters.

340. **Adding and Calculator Machine Operation.** 2 hrs. Operation of rotary and printing calculators; full keyboard and ten-key adding machines. Laboratory included.

352. **Filing Systems and Records Management.** 2 hrs. Study of major filing systems; rules for alphabetizing; application of filing to specific types of businesses.

354. **Problems in Typewriting.** 2 hrs. Prerequisite: BED 310. Techniques in skill building; speed and accuracy in typing a variety of office forms; emphasis on production work.

360. **Word Processing.** 3 hrs. Prerequisite: Ability to typewrite. The theory of word processing as an office system; skill development in the operation of automated magnetic keyboard typewriters.

450. **Office Appliances.** 3 hrs. Prerequisite: Typewriting ability. Operation of calculators, adding and posting machines, electric typwriters, mimeoscopes, transcribing and duplicating machines. Laboratory included.

451. **The Project Method in Distributive Education.** 3 hrs. The project method of teaching distributive education; individualized instructional materials; laboratory activities; evaluation; and research.

452. **History and Philosophy of Vocational Education.** 3 hrs. History; concepts, office occupations, employment opportunities, procedures, and techniques (for business and distributive education teachers only).

453. **Techniques of Coordination.** 3 hrs. Techniques and procedures used in coordinating office occupations programs.

454. **Methods and Materials in Teaching Distributive Education.** 3 hrs. Principles, concepts, program plans, curricula, methods and instructional materials, activities, research, and evaluation.

455. **Organization and Administration of Distributive Education.** 3 hrs. Basic problems, objectives, and characteristics of DE programs as applied in their development.

460. **Office Management.** 3 hrs. Principles of management; office organization and supervision; layout, supplies, machines, personnel, forms, reports, and services.

472. **Executive Secretarial Shorthand.**** 3 hrs. Final emphasis on speed and transcription of mailable copy; focus on vocabulary in specialized fields. Laboratory included.

475. **Legal Secretaryship.** 3 hrs. Prerequisites: BED 305 and 310 or equivalent. A course stressing the professional aspects of legal secretarial practices and procedures.

476. **Medical Office Procedures and Records Management.** 3 hrs. Prerequisite: BED 102. Emphasis on the professional aspects of the work of a medical secretary. Laboratory included.

477. **Medical Transcription.** 3 hrs. Prerequisite: BED 102. Emphasis on medical terminology, records, forms, and letters, with limited transcription.

478. **Advanced Medical Transcription.** 3 hrs. Prerequisite: BED 477. Emphasis on additional medical terminology, with increased emphasis on transcription.

479. **Review for the Certified Professional Secretary Examination.** 3 hrs. Prerequisites: Typewriting and shorthand skills. A course to prepare persons for the Certified Professional Secretary Examination not to be counted toward any degree at the University of Southern Mississippi.

480. **Research and Report Writing.** 3 hrs. Concepts and methods of business research and style; problems in researching and reporting business data in written form.

485. **Office Practice and Secretarial Procedures.** 3 hrs. Prerequisite: BED 310. Problems in secretarial work, along with the developing of desirable personality traits and good human relations.

492. **Special Problems in Business Education.** 1-3 hrs. Study approved and directed by the department chairman.

*A student with one year of typewriting in high school cannot get credit for BED 101, and a student with one year of shorthand in high school cannot get credit for BED 201. A student who has had more work than this in either or both fields should consult with the chairman of the Department of Business Education about the appropriate beginning courses for his program.

**Prerequisite for all typewriting and shorthand courses—Grade of C or better, or equivalent, in the preceding course.

CHEMISTRY (CHE—320)

100. **Introductory Chemistry.** 3 hrs. Prerequisite: High school algebra or MAT 199 or MAT 101, either of which may be taken concurrently. A preparatory course (for CHE 101) in chemical fundamentals; does not satisfy core requirements in College of Science and Technology or Schools of Nursing and Home Economics.

101. **General Chemistry I.** 3 hrs. Prerequisites: High school chemistry or CHE 100; high school algebra or MAT 101 or MAT 199, which may be taken concurrently. Molecular structure, stoichiometry, the mole concept, types of solutions, energy-enthalpy. (JC 1213, 1214)

101-L. **Laboratory for CHE 101.** 1 hr. A laboratory designed to accompany CHE 101. Concurrent registration in CHE 101 is required.

102. **General Chemistry II.** 3 hrs. Prerequisites: CHE 101 and MAT 101. Gases, kinetics, equilibria, thermodynamics, electrochemistry, nuclear chemistry, coordination compounds. (JC 1223, 1224)

102-L. **Laboratory for CHE 102.** 1 hr. A laboratory designed to accompany CHE 102. Concurrent registration in CHE 102 is required.

104. **Chemistry, Principles and Applications.** 3 hrs. For nonscience majors. Emphasis on the impact of chemical discovery and technology on the individual and society. This course does not satisfy core requirements in the College of Science and Technology or the Schools of Nursing and Home Economics.

104L. **Lab for CHE 104.** 1 hr. Corequisite: CHE 104. The laboratory designed to accompany CHE 104.

251. **Elementary Organic Chemistry.** 3 hrs. Prerequisite: CHE 101. A short survey course in organic chemistry designed for students majoring in health sciences and in some areas of home economics.

251-L. **Laboratory for CHE 251.** 1 hr. A laboratory designed to accompany CHE 251. Concurrent registration in CHE 251 is required.

252. **Bioorganic Chemistry.** 3 hrs. Prerequisite: CHE 251. A continuation of CHE 251. CHE 251 and 252 should not be considered as a substitute for CHE 351, 352.

252-L. **Laboratory for CHE 252.** 1 hr. A laboratory designed to accompany CHE 252. Concurrent registration in CHE 252 is required.

300. **Chemical Safety.** 3 hrs. Prerequisite: CHE 252 or 352 or permission of the instructor. Hazards of various commonly used chemicals. Includes 3 hours of laboratory per week.

311. **Analytical Chemistry.** 3 hrs. Prerequisite: CHE 102. Chemical equilibrium. Gravimetric, and columetric analysis. Introductory instrumental analysis.

311-L. **Laboratory for CHE 311.** 2 hrs. A laboratory designed to accompany CHE 311. Concurrent registration in CHE 311 is required.

321. **Elementary Biochemistry.** 3 hrs. Prerequisite: CHE 252. A one-semester course in biochemistry.

321-L. **Laboratory for CHE 321.** 1 hr. A laboratory designed to accompany CHE 321. Concurrent registration in CHE 321 is required.

322. **Clinical Biochemistry.** 3 hrs. Prerequisite: CHE 321. A course designed to acquaint the student with the biochemical basis for clinical diagnosis.

351. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 102. Aliphatic compounds: nomenclature, reaction mechanisms, sterochemistry, and spectroscopic analysis.

351-L. **Laboratory for CHE 351.** 1 hr. A laboratory designed to accompany CHE 351. Concurrent registration in CHE 351 is required.

352. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 351. Aromatic compounds, acids, acid derivatives, aldehydes, ketones, amines, phenols, and an introduction to several polyfunctional compounds (carbohydrates, aminoacids, proteins).

352-L. **Laboratory for CHE 352.** 2 hrs. A laboratory designed to accompany CHE 352. Concurrent registration in CHE 352 is required.

361. **Physical Chemistry for Pre-Medical and Biological Sciences Students.** 4 hrs. Prerequisites: MAT 103 and CHE 311. Gas laws, kinetics, equilibrium and free energy, electrochemistry, pH, buffers, and membrane phenomena.

362. **Physical Chemistry for Pre-Medical and Biological Sciences Students.** 4 hrs. Prerequisite: CHE 361. A continuation of CHE 361. CHE 361 and 362 are not to be taken by chemistry majors.

400. **Chemical Literature.** 2 hrs. Prerequisites: CHE 352 and 311. The selection and use of the reference materials of chemistry: periodicals, journals, texts, patents, and other sources of information.

401. **Glass Blowing.** 2 hrs. Simple operations of glass blowing to enable the student to make common apparatus.

402. **Chemistry of the Atmosphere.** 4 hrs. Prerequisite: CHE 311. Radiocarbon cycle, atmospheric photochemistry, weather patterns, greenhouse effect, combustion pollutants, health hazards.

403. **Industrial Chemistry.** 4 hrs. Prerequisite: Permission of the instructor. Important processes used in industry. Invited industrial representatives and plant visits keep the topics current and useful.

411. **Instrumental Analysis.** 4 hrs. Prerequisites: CHE 352 and 311. Theory and practice of analytical instrumentation; absorption spectroscopy, chromatography, mass spectroscopy, and magnetic resonance. Includes 3 hours of laboratory per week.

421. **Biochemistry I.** 3 hrs. Prerequisite: CHE 352. The properties of amino acids, proteins, carbohydrates, lipids, and nucleic acids; actions of enzymes and protein synthesis.

422. **Biochemistry II.** 3 hrs. Prerequisite: CHE 421. Major metabolic pathways with emphasis on energy considerations and interrelationships of the pathways.

426. **Introduction to Biochemistry.** 3 hrs. Prerequisite: CHE 352. A one-semester survey course for science majors which emphasizes the chemical principles underlying biochemistry.

427-L. **Biochemistry Laboratory I.** 1 hr. Corequisite. CHE 421 or CHE 426. An optional laboratory course to accompany CHE 421 or CHE 426.

428-L. **Biochemistry Laboratory II.** 1 hr. Prerequisite: CHE 427. Corequisite: CHE 422. A continuation of CHE 427.

431. **Inorganic Chemistry.** 4 hrs. Prerequisite: CHE 352 and 311. Models, concepts, bonding and periodic trends in inorganic chemistry. Includes 3 hours of laboratory per week.

432. **Descriptive Inorganic Chemistry.** 3 hrs. Prerequisite: CHE 431. Models, properties, reactions, and synthesis of inorganic compounds and complexes.

441. **Application of Nuclear Techniques.** 4 hrs. Prerequisite: CHE 102. Applied biological, chemical and environmental problems. Topics: radio-isotope handling, radiation detection, shielding, tracer techniques. Includes 3 hours of laboratory per week.

451. **Qualitative Organic Analysis.** 4 hrs. Prerequisite: CHE 352. The systematic identification of pure organic compounds and the analysis of mixtures. Includes 6 hours of laboratory per week.

461. **Physical Chemistry.** 3 hrs. Prerequisites: MAT 227 and CHE 352. Chemical thermodynamics, kinetics, surface phenomena, quantum chemistry, symmetry, spectroscopy, and molecular structure.

461-L. **Laboratory for CHE 461.** 1 hr. A laboratory designed to accompany CHE 461. Concurrent registration in CHE 461 is required.

462. **Physical Chemistry.** 3 hrs. Prerequisite: CHE 461. A continuation of CHE 461.

462-L. **Laboratory for CHE 462.** 1 hr. A laboratory designed to accompany CHE 462. Concurrent registration in CHE 462 is required.

496. **Special Projects I.** 1-3 hrs. Prerequisite: Permission of faculty. Library and laboratory research on a problem chosen in consultation with the adviser.

CHILD DEVELOPMENT (CD—805)

350. **Child Development.** 3 hrs. Designed to create interest in preschool children and to foster understanding of their development and behavior patterns.

351. **Home and Preschool Relationships.** 3 hrs. Study of relationships of parents and children with emphasis on principles, procedures, and methods of working with parents in groups or individually.

359. **Preschool Teachers' Workshop I, II, III.** 1 hr. For teachers, administrators, and educational leaders of preschool centers with emphasis on administration, curriculum, and other appropriate subjects.

450. **Administration of Preschool Programs.** 3 hrs. A course in the organizational structure and management of various preschool programs.

451. **Infant Development.** 3 hrs. Emphasis will be given to the development and behavior of the infant.

452. **Child Development Methods and Materials.** 3 hrs. Provisions are made to evaluate and select materials for use in developing teaching techniques and planning play activities for children.

453. **Creative Activities for the Preschool Child.** 3 hrs. A study of creative activities for preschool children with practical experiences provided.

454. **Participation Experiences in the Infant Development Center.** 3 hrs. arr. Prerequisite: CD 452. Directed participation as an assistant in the Infant Development Center for one semester.

455. **Supervised Participation.** 4 hrs. Prerequisite: CD 452. Directed participation as an assistant in the Nursery School for one semester.

459. **Symposium in Child Development.** 3 hrs. Prerequisite: Consent of instructor. A study of theories and recent research used in preschool education.

492. **Special Problems in Child Development.** 1-4 hrs. Prerequisites: CD 350 and consent of instructor.

CLOTHING AND TEXTILES (CT—810)

131. **Selection of Clothing and Textiles.** 3 hrs. Understanding and applying the fundamental principles of garment construction. (JC 1313, 1332)

221. **Fashion Modeling and Fashion Show Production.** 3 hrs. Basic principles of fashion modeling and fashion show production.

321. **New York Study Tour.** 2 hrs. arr. Alternate years. Planned tour to New York with emphasis on clothing, textiles, fashion, and interiors. Junior or senior standing.

328. **Fashion Display.** 2 hrs. Prerequisite: ART 111 or ARE 207. Study available resources of display materials and laboratory experiences in fashion display.

330. **Consumer Textiles.** 3 hrs. Study of textile fibers, fabrics, finishes, and legislation as related to serviceability.

332. **Art Related to the Home and Dress.** 3 hrs. Prerequisites: ART 111 or ARE 207. Experiences in perceiving visual design elements as they relate to the home and dress.

333. **Family Clothing.** 3 hrs. Prerequisite: CT 131. Interpreting and solving problems associated with clothing a family, with laboratory emphasis on advanced clothing construction and pattern alteration.

334. **Textiles.** 3 hrs. Prerequisites: CHE 101, 102; CT 330. Study of textile products and evaluation of characteristics relating to end-use performance.

335. **Clothes and Cultures.** 3 hrs. Cultural and economic factors concurrent to the adoption and abandonment of dress from ancient times to the present.

337. **Quality Recognition of Fashion Apparel.** 3 hrs. Prerequisites: CT 131, 330. To become familiar with the variety and quality of materials used in the production of apparel.

430. **Textile Product Evaluation.** 3 hrs. Prerequisites: CT 330 and 334, ECO 301, or approval of instructor. Testing textile fabrics by ASTM and AATCC methods; planning, conducting, and interpreting textile research.

431. **Tailoring.** 3 hrs. Prerequisite: CT 333 or equivalent. Principles and techniques of tailoring applied to men's and women's apparel.

432. **Textile Economics.** 3 hrs. Prerequisites: ECO 255 and 256. A study of the economic principles involved in the production, distribution, and consumption of textile products.

433. **Flat Pattern Design.** 3 hrs. Application of flat pattern design techniques to the creation of dress designs.

434. **History of Decorative Textiles.** 3 hrs. Historical and methodological study of applied and structural textile design.

435. **Fashion Fundamentals I.** hrs. Prerequisites: MKT 330, 342; CT 337. Understanding the basic elements and principles of fashions as related to the apparel industry.

436. **Fashion Fundamentals II.** 3 hrs. Prerequisite: CT 435. Understanding the workings and mechanics of the apparel industry and its relationship with the production and distribution of fashion.

437. **Apparel Design.** 3 hrs. Prerequisites: ART 111 or ARE 207; CT 330, 335. Fashion from the designer's viewpoint; terminology, methods, and influences. Experiences in designing.

439. **Retail Management Internship I, II.** 2 hrs. Prerequisites: CT 436, 437; MKT 300, 330, 342. Clothing Merchandising majors are required to take Part I and II of the Internship (4 hours). Understanding the operation and management of retail activities through a training-work program in a cooperating department store. Approval must be obtained from internship coordinator.

492. **Special Problems.** 1-6 hrs. A directed individual study planned and approved by the chairman of the department.

COMPUTER SCIENCE (CSS—330)

100. **Introduction to Computing.** 3 hrs. Computer concepts, forms of I/O, system design and analysis, recording data, and programming languages. (JC 1113)

211. **Statistical Methods I.** 3 hrs. Prerequisite: Permission of instructor. Sampling and sampling distributions: normal and binomial, measures of central tendency and dispersion. (JC-BAD-2323)

212. **Statistical Methods II.** 3 hrs. Prerequisite: CSS 211. Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

240. **Introduction to Programming Laboratory.** 3 hrs. Techniques of programming using the FORTRAN language. (JC 1213)

320. **Introduction to Linear Programming Techniques.** 3 hrs. Prerequisite: MAT 103. Vectors and Euclidean spaces, linear transformations, convex sets and hyperplanes, theory of simplex method, the transportation problem.

323. **Applied Techniques in Statistics and Engineering.** 3 hrs. Prerequisite: MAT 377 or 378. Laplace transforms, frequency and time-domain analysis of linear systems.

324. **Applied Techniques in Statistics and Engineering.** 3 hrs. Prerequisite: MAT 377 or 378. State variable theory, time-domain analysis of linear systems.

340. **Advanced Fortran Programming.** 3 hrs. Prerequisite: CSS 240 or equivalent. Advanced Fortran concepts, algorithmic procedures, and data structures.

341. **Digital Computer Programming.** 3 hrs. Prerequisite: CSS 340. Assembler language coding: registers, instruction formats, decimal and floating point arithmetic, I/O coding, system capabilities, program states.

342. **Introduction to COBOL Programming.** 3 hrs. Prerequisite: CSS 240. Programming of problems using the COBOL language.

350. **Data Structures.** 3 hrs. Prerequisite: CSS 342 or equivalent. A continuation of COBOL with emphasis on file creation, organization, maintenance, sorting, searching, and retrieval techniques.

370. **Hardware Systems I.** 3 hrs. Design, analysis and implementation of digital logic systems with emphasis on breadboarding.

370-L **Hardware Systems Laboratory.** 1 hr.

371. **Hardware Systems II.** 3 hrs. Prerequisite: CSS 370. A continuation of CSS 370.

400. **Computing for Secondary/Junior College Teachers.** 3 hrs. State of the art study in utilizing the computer as a tool in the classroom. Use and development of instructional packages. Cannot count toward a degree.

415. **Methods of Mathematical Statistics I.** 3 hrs. Prerequisite: Permission of instructor. Hypothesis testing, power of tests, analysis of variance, orthogonal contrasts, fixed, random and mixed models.

416. **Methods of Mathematical Statistics II.** 3 hrs. Prerequisite: CSS 415. Simple and multiple linear regression, polynomial regression, multi-way analysis of variance, randomized blocks and nested factorials.

417. **Experimental Design.** 3 hrs. Prerequisite: CSS 416. Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding, response surface models.

418. **Sampling Methods.** 3 hrs. Prerequisite: CSS 415. The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified randon sampling, cluster sampling.

420. **Numerical Analysis I.** 3 hrs. Prerequisites: MAT 278 and CSS 240. Numerical solution to transcendental equations, systems of linear and non-linear equations. Milne's method, Runge-Kutta method.

421. **Numerical Analysis II.** 3 hrs. Prerequisites: MAT 377 and CSS 240. Modeling of continous and discrete systems, approximation to computer based functions. Pade' approximation.

422. **Operations Research.** 3 hrs. Prerequisite: CSS 320. PERT-CPM, dynamic and quadratic programming, parametric and integer linear programming, penalty functions.

423. **Digital Signal Processing I.** 3 hrs. Prerequisite: CSS 323. Theory, design and implementation of digital signal processing structures.

424. **Digital Signal Processing II.** 3 hrs. Prerequisite: CSS 423. Design and implementation of digital image processing techniques. Image enhancements and pattern recognition.

425. **Computer Graphics Design.** 3 hrs. Prerequisite: CSS 340. Theory, design and use of computer graphic systems.

426. **Computer Aided Design.** 3 hrs. Prerequisite: CSS 425. Design of man-machine interaction.

435. **Theoretical Statistics I.** 3 hrs. Prerequisite: CSS 240. Discrete simulation of inventory systems, random walks, queuing systems, networks, and computer systems. Use of GPSS simulation language.

436. **Theoretical Statistics II.** 3 hrs. Prerequisite: CSS 435. Advanced model design. Simulation of complex stochastic systems. Extended use of GPDS and GPSS simulation packages.

441. **Programming Languages.** 5 hrs. Prerequisite: CSS 341. A survey of programming languages such as ALGOL, APL, PASCAL, SNOBOL4, and XPL.

442. **Business Computer Systems.** 3 hrs. Prerequisite: CSS 342. Methods of system analysis, data acquisition, file structures, terminal selection, use of flowcharts and decision tables.

450. **Systems Programming.** 4 hrs. Prerequisite: Permission of instructor. Research projects in systems problems. Research will involve current software or hardware topics.

451. **Systems Programming.** 4 hrs. Prerequisite: Permission of instructor. A continuation of CSS 450.

460. **Computer Software I.** 3 hrs. Prerequisites: CSS 341 and 441. Data structures and assemblers.

461. **Computer Software II.** 3 hrs. Prerequisite: CSS 460. An in-depth study of compilers and compiler writing techniques.

462. **Computer Software III.** 3 hrs. Prerequisite: CSS 341. An in-depth study of operating systems (batch, time-sharing and real time systems).

470. **Digital Systems I.** 3 hrs. Corequisite: CSS 470-L. Analysis and synthesis of combinational, synchronous sequential, and asynchronous sequential circuits.

470-L. **Digital Systems I Laboratory.** 1 hr. Corequisite: CSS 470.

471. **Digital Systems II.** 3 hrs. Prerequisite: CSS 470. Architectural organization of digital systems, microprogramming.

471-L. **Digital Systems II Laboratory.** 1 hr. Corequisite: CSS 471.

476. **Continuous Systems Modeling and Simulation.** 3 hrs. Prerequisite: MAT 405 or CSS 323. Modeling and simulation of physical systems using analog and digital techniques.

477. **Process Control Systems.** 3 hrs. Prerequisite: CSS 476. Fundamentals of direct digital control systems, real-time data handling.

478. **Digital Control System.** 3 hrs. Prerequisite: CSS 341. Design of systems incorporating a computer as an on-line element. Design of control algorithms and optimal control techniques.

478-L. **Digital Control Laboratory.** 1 hr. Corequisite: CSS 478.

480. **Data Processing and File Management.** 5 hrs. Prerequisites: CSS 342 and 350. Organization and maintenance of sequential, direct access and index sequential files. Design of on-line file systems.

490. **Computer Science Seminar.** 1-3 hrs. arr. Presentation of technical topics in the field.

492. **Computer Science Problems I.** 3 hrs. Prerequisite: Senior standing. Solution of problems germane to a select area of study.

493. **Computer Science Problems II.** 3 hrs. Solution of problems germane to a select area of study.

CONSTRUCTION (BCT—393)

101. **Construction Practices I.** 2 hrs. Basic construction techniques, tools and equipment, and job planning analysis used in residential projects.

205. **Surveying.** 3 hrs. Theory and practice in use of instruments for measuring distances, angles, etc., as applied in architecture and construction.

235. **Building Systems I.** 3 hrs. Prerequisites: ACT 132, ACT 204. Residential building systems design and planning, with emphasis on materials integration, methods of construction and architectural detailing.

302. **Construction Practices II.** 2 hrs. Prerequisite: BCT 101. Continuation of BCT 101, with emphasis on commercial and industrial construction.

307. **Construction Equipment.** 2 hrs. Prerequisite: GLY 101. Construction equipment selection and utilization for commercial and heavy-highway construction.

336. **Building Systems II.** 3 hrs. Prerequisite: BCT 235. Commercial building systems design and planning with emphasis on materials integration, methods of construction and building codes.

354. **Construction Estimating.** 3 hrs. Prerequisite: BCT 336. Material quantity survey techniques used in estimating costs of construction projects.

355. **Cost Analysis and Bid Preparation.** 3 hrs. Prerequisite: BCT 354. Determination of construction cost, bidding procedures, and analysis of job cost data.

374. **Construction Organization.** 3 hrs. Prerequisite: BCT 336. Analysis of contracting functions and management concepts.

375. **Construction Safety.** 2 hrs. Development and management of accident prevention programs in construction.

392. **Special Problems.** 1-3 hrs. arr. Prerequisites: Junior standing and approval of faculty adviser.

400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

401. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

444. **Concrete and Formwork Design.** 3 hrs. Prerequisite: ACT 443. Design of reinforced concrete structural members and systems. Concrete formwork design and cost analysis.

445. **Soils and Foundations.** 3 hrs. Prerequisites: ACT 443, GLY 101. Theory and application of soil mechanics to foundation design and construction.

458. **Construction Planning and Scheduling.** 3 hrs. Prerequisite: BCT 355. Critical Path Method (CPM) as a project planning, scheduling, and monitoring technique.

476. **Construction Labor.** 3 hrs. Prerequisite: BCT 374. A study of construction labor resources, labor history, and governmental labor regulations.

477. **Construction Project Management.** 3 hrs. Prerequisites: BCT 355, BCT 374, BCT 458, BCT 476. Field quality control and work methods analysis techniques.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION (CPY—140)

100. **Orientation.** 1 hr.

101. **Foundations of Personal Development.** 1 hr. An introduction to the principles of human development. Open to freshman and transfers only.

310. **Introduction to Social and Rehabilitation Services.** 3 hrs. An orientation via a review of relevant history, legal mandates, philosophy, objectives, and applied services. Offered only with CPY 360.

311. **Assessment and Evaluation in Social and Rehabilitation Services.** 3 hrs. Introduction to basic assessment and evaluation techniques and application of these in rehabilitation settings.

312. **Counseling Theory and Practice.** 3 hrs. Emphasizes theories and principles undergirding the practical application of various helping techniques. Offered only with CPY 361.

360. **Social and Rehabilitation Services Laboratory I.** 3 hrs. Includes selected readings, discussion goups and directed field visits. Offered only with CPY 310.

361. **Social and Rehabilitation Services Laboratory II.** 3 hrs. Application of interview and group techniques through personal interaction experiences. Offered only with CPY 312.

413. **Vocational Development and the World of Work.** 3 hrs. An introduction to the study of vocational development and occupations.

423. **Group Procedures.** 3 hrs. Introduction to the fundamentals of developmental group work, with emphasis on individual behaviors in a group setting.

430. **Principles and Processes of Case Management.** 3 hrs. This course focuses on the coordination of specific functional tasks associated with rehabilitation services.

431. **Medical Aspects of Rehabilitation.** 3 hrs. An introduction to the chronically disabling conditions both from the viewpoint of treatment processes and individual adjustment.

432. **Introduction to Community Resources.** 3 hrs. A study of the nature and development of agency resources within the community.

433. **Workshop in Counseling Procedures.** 3 hrs. A workshop to familiarize counselor personnel with new and innovative procedures in facilitating client development.

434. **Guidance of the Exceptional Child.** 3 hrs. A course to acquaint counselors and teachers with special considerations involved in providing guidance and child development services for exceptional children.

435. **Alcoholism and Drug Abuse Intervention.** 3 hrs. Intervention strategies in working with drug abusers with emphasis on the alcoholic.

462-463. **Social and Rehabilitation Services Field Practicum I, II.** 6 hrs. To be taken as an individual field practicum within an agency or facility.

492. **Special Problems.** 1-3 hrs.

CRIMINAL JUSTICE (CJ—281)

200. **Introduction to Criminal Justice.** 3 hrs. An introduction to criminal law, criminological thought, and the operation of the criminal justice system. (JC-SOC-1313)

325. **American Criminal Justice Theory.** 3 hrs. A survey of major American theories of criminal justice and of foreign theories directly influencing them.

330. **Criminal Law.** 3 hrs. A survey of applied substantive criminal law with emphasis on the most common criminal offenses.

331. **Criminal Court Practice.** 3 hrs. An indepth study of the criminal case within the several courts of the state and federal systems.

332. **Traffic Law.** 3 hrs. An analysis of prevailing traffic law and methods of enforcement.

333. **Evidence, Search, and Seizure.** 3 hrs. An examination of the laws of evidence and the procedures for obtaining it.

340. **The Development of Modern Police Systems.** 3 hrs. A survey of the philosophical and administrative development of policing in Great Britain and the United States.

341. **Police Methods and Organization.** 3 hrs. A survey of the organization and administration of the American police.

342. **Criminal Investigation.** 3 hrs. Prerequisite: CJ 330. An overview of the crime solving process with emphasis on methodology, corpus delecti, and evidence.

350. **Theories of Criminal Penalties.** 3 hrs. An exploration of the mandate and methods for society to impose penalties upon its criminal offenders.

351. **The Development of Modern Penal Systems.** 3 hrs. A survey of the philosophical and administrative development of modern penology in Europe and the United States.

352. **Introduction to Modern Corrections.** 3 hrs. An overview of major correctional systems and methods of treatment of offenders.

353. **Law of Criminal Corrections.** 3 hrs. A survey of the newly emerging rights of detained and incarcerated individuals.

360. **Introduction to Juvenile Justice.** 3 hrs. A survey of the common law roots of juvenile law, the unfolding of case law in American history, and the development of the juvenile court and juvenile corrections.

361. **Delinquency Prevention.** 3 hrs. An indepth study of contemporary theory and methodology on delinquency prevention.

370. **Crime Prevention.** 3 hrs. A survey of methods of protecting life and property in the community and in industry.

371. **Volunteers in the Criminal Justice System.** 3 hrs. A survey of volunteerism with special emphasis on crime and delinquency prevention, the courts, and corrections.

400. **Criminal Justice Practicum.** 3, 6, or 9 hrs. Prerequisites: Major in Criminal Justice with junior or senior standing and with permission of the chairman. Field work offering research and practice in a criminal justice agency.

425. **Theories of Criminal Justice.** 3 hrs. An analysis of the theory of criminal justice from Aristotle to the present.

426. **Comparative Criminal Justice Systems.** 3 hrs. A study of foreign criminal justice systems emphasizing possible reforms for the American system.

430. **Criminal Procedure.** 3 hrs. A study of the procedural rules for the judicial enforcement of substantive criminal law.

450. **Administration of Criminal Corrections.** 3 hrs. Prerequisite: CJ 352. An indepth study of the administrative process in the correctional system.

451. **Probation, Parole, and Community Corrections.** 3 hrs. An examination of probation and parole systems and other alternatives to incarceration.

452. **Group Techniques in Corrections.** 3 hrs. An indepth examination of the application of group therapy to criminal offenders.

460. **Juvenile Justice.** 3 hrs. A study of the law concerning investigation of juvenile offenders, disposition of offenders, and juvenile courts.

461. **Juvenile Corrections.** 3 hrs. An indepth study of the various treatment modalities currently employed.

462. **Comparative Juvenile Justice.** 3 hrs. Prerequisites: CJ 360 or 460 or approval of professor. An intensive study of a limited number of topics in the juvenile justice systems of Europe offered through the Department's Overseas Studies Program.

470. **Political Economy of Criminal Justice.** 3 hrs. An analysis of political and economic factors influencing the criminal justice system.

471. **Victims of Crime.** 3 hrs. An indepth study of criminal victimization concerntrating on the victims of specific crimes and remedies for victimization.

480. **Seminar in Criminal Justice.** 3 hrs. An interdisciplinary seminar covering significant problem areas in the criminal justice system.

492. **Special Problems.** 1-3 hrs. arr. Prerequisites: Major in criminal justice with senior standing and permission by the chairman. Supervised research in a specific field.

CURRICULUM AND INSTRUCTION

ELEMENTARY EDUCATION (CIE)—115)

100. **Developmental Processes in Elementary Mathematics.** 3 hrs. A review of the fundamentals of elementary arithmetic, algebra, and geometry for preservice elementary teachers with weak math backgrounds.

102. **Improvement of Study.** 1 hr. An analysis of effective study techniques. Useful for college students who wish to improve their own reading and study habits. May be taken three times for credit.

300. **Introduction to Elementary Education.** 3 hrs. An introduction course to include field experiences.

301. **Methods and Materials in Elementary School Arithmetic.** 3 hrs. Prerequisite: MAT 210. A course which utilizes modern strategies of psychology and methodology in elementary school mathematics on exploratory, structural, and mastery levels of learning.

305. **Social Studies in the Elementary Grades.** 3 hrs. Emphasis is on the social science interdisciplinary approach for content and methodology, problem solving, unit teaching, and thinking.

306. **Language Arts in the Elementary School.** 3 hrs. Emphasizes the methods and materials for teaching handwriting, creative writing, listening, speaking, and grammar in grades 1 through 8.

309. **Developing Skills in Reading.** 3 hrs. Develops performances required in instructional and recreational reading; and materials used to teach these skills in grades 1 through 8.

311. **Kindergarten and Primary Reading Instruction.** 3 hrs. Prerequisite: CIE 306 and 309. Explores primary reading as a developmental process through units on grouping, objectives, media, diagnosis and prescription, and selected approaches.

312. **Middle School Reading Instruction.** 3 hrs. Prerequisite: CIE 306 and 309. Explores reading by developing topics on patterns, objectives, materials, approaches, content area reading, and diagnosis and prescription for grades 4 through 8.

317. **Methods and Materials in Children's Literature.** 3 hrs. An introduction to children's primary literature, in all forms, and a study of ways in which it is integrated into the curriculum for enrichment.

318. **Literature for the Middle School.** 3 hrs. A study of literature appropriate for use in grades 4 through 8 stressing effective use of literature in the school program.

330. **Readiness Programs for Young Children.** 3 hrs. A course dealing with varied phases of comprehensive readiness programs for children in elementary school.

343. **Methods and Materials in Elementary Education.** 3 hrs. Offered concurrently with student teaching (CIE 482), this general methods course examines materials and methods of teaching pupils in grades four through eight.

403. **Kindergarten—Primary Education.** 3 hrs. A practicum designed to give teaching experiences in understanding the social, emotional, physical and cognitive growth and development of children.

407. **Strategies for Teaching Reading in the Elementary School.** 3 hrs. A survey of the methods and approaches used to teach reading in the elementary school.

412. **Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** 3 hrs. Prerequisite: CIE 306, 309 and 311 or 312. Provides relevant practicum experiences in evaluation and gives extended opportunities in child tutoring appropriate to grades 2-8.

422. **Curriculum Development for Career Education.** 3 hrs. Introduction to principles of curriculum adaptation for school-based programs of career education.

425. **Methods and Materials in Early Childhood Education.** 3 hrs. Offered concurrently with student teaching (CIE 480), this general methods course examines materials and methods of teaching children in kindergarten through grade 3.

427. **Evaluation in Early Childhood Education.** 3 hrs. Emphasis is placed on evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children.

480. **Student Teaching in Lower Elementary.** 9 hrs. Prerequisites: REF 300, CIE 301, 305, 306, 309, 311, EPY 370, 374. Taken together with CIE 425, students who student teach in kindergarren through grade 3 will register for this course.

482. **Student Teaching in Upper Elementary.** 9 hrs. Prerequisites: REF 300, CIE 301, 305, 306, 309, 312, EPT 370, 374. Taken together with CIE 343, students who student teach in grades 4 through 8 will register for this course.

489. **Seminar in Elementary Student Teaching.** 6 hrs. Prerequisite: Permission of instructor. Designed to meet the student teaching requirement for noncertified experienced teachers, this course deals with classroom management, programs of instruction, and student role in the educational environment.

490. **Workshop in Aviation Education.** 3 hrs. Designed to familiarize teachers and administrators with the role that aviation and space exploration play in developing the school curriculum. May be taken twice for a total of six hours.

491. **The Reading Conference.** 1 hr. An intensive three-day summer program consisting of lectures, group discussion, and demonstration lessons. May be taken three times.

492. **Internship in Kindergarten and Primary Education.** 9 hrs. Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

493. **Internship in the Middle School.** 9 hrs. Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

494. **Workshop in Learning Resources in Early Childhood Education.** 3 hrs. Student will become acquainted with learning sources, selection, use, and production multi media materials.

496. **Projects in Elementary Education I, II, III.** 3 hrs. Designed for school systems planning local projects of curriculum revision and course of study construction.

SECONDARY EDUCATION (CIS—120)

301. **Practicum in Secondary Education.** 1 hr. A course designed to relate the study of theory to practical experience in a public school setting. May be repeated twice.

310. **Junior-Senior High School Reading Methods.** 3 hrs. A course designed to familiarize secondary teachers with reading skills, methods, and materials. Emphasis is placed on content skills in subject matter areas.

313. **Principles of Teaching High School** 3 hrs. This general methods course emphasizes the goals of secondary education, motivation and direction of learning, and school organization.

422. **Curriculum Development for Career Education.** 3 hrs. Introduction to principles of curriculum adaptation for school-based programs of career education.

451. **Methods in Business Education.** 3 hrs. A study of business education trends and aims, teaching procedures, tests and measurements, special helps, and teaching materials.

452. **Methods in Art.** 3 hrs. Stresses the aims, objectives, and methods of art education in the elementary and secondary schools.

453. **Methods in Industrial Arts.** 3 hrs. A course pertaining to the methods and materials in the teaching of industrial arts.

454. **Methods in English—Secondary.** 3 hrs. A course concerning methods of teaching English in the junior and senior high schools.

455. **Methods in Foreign Languages.** 3 hrs. A course in methods of teaching French, Spanish, and German in the secondary schools.

456. **Methods in Teaching Science—Secondary.** 3 hrs. A course designed to familiarize teachers with current trends, methods, and techniques of teaching science to secondary school students.

457. **Methods in Mathematics—Secondary.** 3 hrs. A course designed to give the student a knowledge of the objectives, curriculum problems, and organization and methods of teaching secondary school mathematics.

458. **Methods in Social Studies—Secondary.** 3 hrs. A study of the principal methods of teaching, application of psychological principles to teaching, and methods of selecting content and materials.

459. **Methods in Speech.** 3 hrs. A general orientation to the teaching of speech, followed by individualized unit work in the special fields of speech.

462. **Methods and Principles in Health, Physical Education, and Recreation.** 3 hrs. Emphasizes materials and techniques of teaching health, physical education, and recreation in grades 1-12 of public schools.

465. **Methods in Journalism.** 3 hrs. A course designed to prepare the student for the teaching of journalism on the secondary school level.

470. **Curriculum of the Secondary Schools.** 2 hrs. A course which examines the present day structure and nature of the secondary school curriculum.

472. **Student Activities in Secondary Schools.** 1 hr. Consideration is given to the general nature, activities, and organization of the student extra-curricular program.

481-494. **Student Teaching in High School.** 9 hrs. The individual courses in preservice student teaching are as follows: 481—Business Education; 482—Art Education; 483—Industrial Arts; 484—English; 485—Foreign Languages; 486—Sciences; 487—Mathematics; 488—Social Studies; 489—Speech; 491—Health, Physical Education, Recreation; 492—Library Science; 493—Music Education; and 494—Journalism.

495. **Seminar in Secondary Student Teaching.** 6 hrs. Prerequisite: Permission of instructor. Designed to meet the student teaching requirements for noncertified experienced teachers, this course deals with classroom management, programs of instruction, and student role in the educational environment.

496. **Internship in Secondary Education.** 9 hrs. Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

ECONOMICS (ECO—610)

200. **Introduction to Economics.** 3 hrs. Not to be counted toward a major or meeting the core requirements of the College of Business Administration. Credit for graduation will not be given for both ECO 200 and 255 or 256. (JC 1113, 2123)

255. **Principles of Economics I.** 3 hrs. An examination of the institutional environment of American capitalism and the determination of the level of national income, employment, prices, and growth. (JC 2113)

256. **Principles of Economics II.** 3 hrs. Prerequisite: ECO 255. An examination of the laws of production and their influence on costs and output. Also, a study of product and factor price determination under varying degrees of competition and an analysis of international trade. (JC 2123, 2113)

301. **Elementary Statistics I.** 3 hrs. Prerequisite: MAT 101 or 112. Basic concepts; central tendency and dispersion; probability; Poisson, binomial and normal distributions; testing hypotheses.

302. **Elementary Statistics II.** 3 hrs. Prerequisite: ECO 301. Decision making, classical and Bayesian; regression and correlation; index numbers and time series analysis.

310. **Economic History of the United States.** 3 hrs. A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330. **Money and Public Policy.** 3 hrs. Prerequisites: ECO 255 and 256. A study of the nature and functions of money, monetary theory, and the political, social, and international context in which economic policy is formulated.

335. **Economics of the Firm.** 3 hrs. Prerequisites: ECO 255 and 256. An intermediate study of the application of economic theory to managerial decision-making.

340. **Price Theory.** 3 hrs. Prerequisites: ECO 255 and 256. An intermediate study of the determination of prices in factor and final product markets.

345. **Income Theory.** 3 hrs. Prerequisites: ECO 255 and 256. An intermediate study of the determination of income and employment.

401. **Public Finance.** 3 hrs. Prerequisites: ECO 255 and 256. A study of federal and state spending and fund raising policies within the context of the social goals of the society.

402. **Public Policy Analysis.** 3 hrs. Prerequisites: ECO 255, 256, and 301. A study of the principles and tools of policy analysis in the public sector.

413. **The Economy of Latin America.** 3 hrs. Prerequisites: ECO 255 and 256. Analysis of crucial Latin America economic issues: population, agriculture, industry, and trade.

424. **Economics of Urban Areas.** 3 hrs. Prerequisites: ECO 255 and 256. A study of current problems of the cities—race, poverty, pollution, unemployment, crime, and government finance.

435. **International Trade Theory** 3 hrs. Prerequisites: ECO 255 and 256. A study of the historical development of international trade theory, the importance of international trade, and the mechanism of international payments.

440. **Economic Development.** 3 hrs. Prerequisites: ECO 255 and 256. Emphasis on the economic tools for analyzing economic development with particular attention to regional growth and change.

465. **Economics of Labor.** 3 hrs. Prerequisites: ECO 255 and 256. A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

470. **Comparative Economic Systems.** 3 hrs. Prerequisites: ECO 255 and 256. A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, and capitalism.

480. **Environmental Economics.** 3 hrs. Prerequisites: ECO 255 and 256. A survey of economic concepts relevant to decision making with reference to the management of natural resources heretofore considered to be "free" in nature.

492. **Contemporary Economic Problems I.** 3 hrs. Prerequisites: ECO 255 and 256. Application of the tools of microeconomics to examine problems such as energy, pollution, income distribution, and market structure.

494. **Contemporary Economic Problems II.** 3 hrs. Prerequisites: ECO 255 and 256. Application of the tools of macroeconomics to examine problems such as inflation, recession, productivity, growth, and macroeconomic policy-making.

EDUCATIONAL PSYCHOLOGY (EPY—180)

370. **Human Growth and Development, Part I: Child.** 3 hrs. Prerequisite: PSY 110. Study of the child through the elementary school years, emphasizing principles and problems of development.

371. **Psychology of Preadolescence and Early Adolescence.** 3 hrs. The study of human growth and development during later elementary and junior high school years.

372. **Human Growth and Development Part II: Adolescent.** 3 hrs. Prerequisite: PSY 110. A course dealing with development of the individual through the adolescent years.

374. **Educational Psychology.** 3 hrs. Prerequisite: PSY 110. Application of psychological methods, facts, and principles to education.

385. **Applied Behavior Analysis.** 1-3 hrs. arr. Prerequisites: PSY 110, EPY 374, one of EPY 370, EPY 371, or EPY 372 and permission of the instructor. Application of the principles of applied behavior analysis to problems involving human behavior change in an educational context.

470. **Developmental and Educational Psychology for Teaching Interns.** 9 hrs. arr. Available to internship students only, arranged through the Office of Student Teaching.

482. **Moral Development in Childhood and Adolescence.** 3 hrs. May be taken up to nine hours with change of content. Prerequisites: PSY 110, and permission of the instructor.

ELECTRONICS TECHNOLOGY (ELT—398)

101. **Introduction to Electronics Technology I.** 1 hr. Electronic laboratory skills: soldering, breadboarding, use of instruments, kit construction.

102. **Introduction to Electronics Technology II.** 1 hr. Prerequisite: ELT 101. Continuation of electric circuit assembly and testing skills.

110. **Network Analysis I.** 3 hrs. Prerequisite: Physics 106. Basic electrical concepts and relationships. Analysis of simple DC and AC circuits.

110L. **Network Laboratory I.** 1 hr.

111. **Network Analysis II.** 3 hrs. Prerequisite: ELT 110. Use of circuit analysis theorems and techniques to solve advanced AC and DC networks.

111L. **Network Laboratory II.** 1 hr.

210. **Electronic Devices and Circuits.** 3 hrs. Prerequisite: ELT 111. Theory and application of solid state devices: diodes, junction and field-effect transistors.

210L. **Devices and Circuits I Laboratory.** 1 hr.

211. **Electronic Devices and Circuits II.** 3 hrs. Prerequisite: ELT 210. Multistage and large-signal amplifiers, ICs, op amps, and oscillators.

211L. **Devices and Circuits II Laboratory.** 1 hr.

220. **Electronic Graphics.** 3 hrs. Prerequisite: ELT 102, 111. Drafting principles, orthographic projections, schematics, wiring diagrams, and symbols.

230. **Electronic Instrumentation.** 3 hrs. Theory of operation and industrial use of common electronic instruments.

240. **Introduction to Digital Electronics.** 3 hrs. Prerequisite: ELT 210. Theory and application of basic digital logic circuitry.

313. **Electronics Communications Systems.** 3 hrs. Noise, propagation, antennas, AM, FM, pulse systems, Smith charts with applications.

313-L. **Electronic Communications Systems Laboratory.** 1 hr.

314. **Design of High-Frequency Communications Circuits.** 3 hrs. Design of communication circuits and systems; emphasis on bipolar device circuitry.

314-L. **Hi-Frequency Communications Laboratory.** 1 hr.

322. **Logic Circuitry I.** 3 hrs. Logic Circuit design; flip-flops, gates, counters, TTL, MOS, CMOS.

322-L. **Logic Circuitry I Laboratory.** 1 hr.

333. **Logic Circuitry II.** 3 hrs. Prerequisite: ELT 432. Applications of digital logic circuitry. Theory of microprocessors.

333-L. **Logic Circuitry II Laboratory.** 1 hr.

342. **Electrical Energy Systems.** 3 hrs. Advanced theoretical and applied methods for AC/DC motors and generators.

392. **Special Problems.** 1-3 hrs.

400. **Senior Project.** 3 hrs. arr. Prerequisite: Senior standing; approval of faculty adviser. Project should be in area of student's specialization.

401. **Senior Project.** Continuation of ELT 400.

411. **Electronics for Scientists.** 4 hrs. Practical electronics needed for maximum utilization of scientific instrumentation, automation, and logic circuits.

412. **Advanced Network Analysis.** 3 hrs. Prerequisite: MAT 237. Network conventions, 2-port networks, La Place transforms.

412-L. **Advanced Network Analysis Laboratory.** 1 hr.

470. **Introduction to Control Systems.** 3 hrs. Prerequisite: ELT 412 or permission of instructor. General control system theory and application; servomechanisms, operational amplifiers.

470-L. **Control Systems Laboratory.** 1 hr.

492. **Special Problems.** 1-3 hrs. arr. Prerequisite: Senior standing; approval of faculty adviser. Supervised study in areas not covered by available courses.

ENGLISH (ENG—224)

100. **Fundamentals of Composition.** 3 hrs. (May not count toward a major or minor.) Stresses grammar, mechanics, usage, and other basic writing skills.

101. **Writing One.** 3 hrs. Stresses clear, effective writing with special attention to syntactical and organizational skills. (JC 1113)

102. **Writing Two.** 3 hrs. Prerequisite: English 101. Refines compositional skills and stresses additional rhetorical and research methods. (JC 1123)

203. **World Masterpieces I.** 3 hrs. Acquaints students with the great figures and works of Western literature.

204. **World Masterpieces II.** 3 hrs. Acquaints students with the great figures and works of Western literature.

221. **Fiction Writing I.** 3 hrs. Introduction to fiction writing.

222. **Poetry Writing I.** 3 hrs. Introduction to poetry writing.

300. **Vocabulary Development.** 3 hrs. (May not count toward major, but with permission of the English Department adviser may count toward the minor.) Stresses the improvement of vocabulary.

301. **Traditional Grammar.** 3 hrs. Studies traditional grammar and usage.

319. **Literary Study of the Bible.** 3 hrs. Examines the literary structure, style, and content of the English Bible.

321. **Fiction Writing II.** 3 hrs. Prerequisite: English 221. Stresses the techniques of short fiction writing.

322. **Poetry Writing II.** 3 hrs. Prerequisite: English 222. Stresses the techniques of poetry writing.

332. **Expository Prose.** 3 hrs. Prerequisite: English 101, 102. Stresses the writing of essays.

333. **Technical Writing.** 3 hrs. Prerequisite: English 101, 102; and junior standing or twelve hours in student's major field. Stresses report writing in student's major field.

334. **Introduction to Research and Term Paper Writing.** 3 hrs. Prerequisite: English 101, 102. Stresses data gathering and documentation in student's major field.

340. **Analysis of Literature.** 3 hrs. Introduces the discipline of literary criticism.

350. **Survey of British Literature I.** 3 hrs. Surveys major British literature from the Old English period to the Romantic period.

351. **Survey of British Literature II.** 3 hrs. Surveys major British literature from Romantic period to the present.

370. **Survey of American Literature I.** 3 hrs. Surveys American literature from its beginnings to the Civil War.

371. **Survey of American Literature II.** 3 hrs. Surveys American literature from the Civil War to the present.

372. **Afro-American Literature.** 3 hrs. Surveys major Black writers and their influences.

379. **Survey of Contemporary Literature.** 3 hrs. Surveys major contemporary writers and their influences.

400. **Introduction to Linguistics.** 3 hrs. Introduces the principles of descriptive linguistics.

401. **Advanced Grammar.** 3 hrs. Introduces structural and transformational grammar. (Required for secondary or middle-grade certification in English.)

402. **English Syntax.** 3 hrs. Examines English syntax and conventional forms of English grammar.

406. **History of the English Language.** 3 hrs. Surveys the development of the English language from Old English to the present. (Required for secondary or middle-grade certification in English.)

409. **Studies in Linguistics.** 3 hrs. Offers varied topics yearly. Repeatable to six hours.

410. **Readings in World Literature I.** 3 hrs. Examines various Greek, Roman, Medieval, and Renaissance writers.

411. **Readings in World Literature II.** 3 hrs. Examines various European Enlightenment, Romantic, and Modern writers.

413. **The Modern Novel.** 3 hrs. Examines major British and Continental novels of the last hundred years.

417. **Modern Drama.** 3 hrs. Studies important British and Continental dramas of the twentieth century.

419. **Studies in World Literature.** 3 hrs. Studies Continental, British, and American writers of the nineteenth and the twentieth centuries. Repeatable to nine hours.

421. **Fiction Writing III.** 3 hrs. Prerequisite: English 221 and 321. Provides an opportunity to develop techniques of poetry writing. Repeatable to nine hours.

422. **Poetry Writing III.** 3 hrs. Prerequisite: English 222 and 322. Provides an opportunity to develop techniques of poetry writing. Repeatable to nine hours.

425. **Readings in the Theory of Fiction.** 3 hrs. Studies theories and forms of contemporary fiction. Repeatable to six hours.

426. **Readings in the Theory of Poetry.** 3 hrs. Studies theories and forms of contemporary poetry. Repeatable to six hours.

451. **Chaucer.** 3 hrs. Emphasizes a close reading of **The Canterbury Tales.**

454. **Shakespeare's Comedies and Tragicomedies.** 3 hrs. Studies a selected group of Shakespeare's drama.

455. **Shakespeare's Histories and Tragedies.** 3 hrs. Studies a selected group of Shakespeare's drama.

456. **Sixteenth-Century English Literature.** 3 hrs. Studies the more important English writers of this period.

457. **The Development of British Drama to 1642.** 3 hrs. Studies English drama from its beginning to 1642, exclusive of Shakespeare.

458. **Seventeenth-Century Prose and Poetry.** 3 hrs. Surveys the period 1600-1660, with emphasis on the "schools" of Donne and Jonson.

459. **Milton.** 3 hrs. Studies the poetry and prose of Milton, with emphasis on the major works.

460. **British Literature, 1600-1740.** 3 hrs. Surveys British Literature from the Restoration to 1740.

462. **British Literature, 1740-1798.** 3 hrs. Surveys British Literature from 1740 to 1798.

464. **The British Novel to 1900.** 3 hrs. Studies the development of British fiction from Richardson through Hardy.

465. **Nineteenth-Century British Literature: Romantic.** 3 hrs. Surveys poetry and prose of the period 1790 to 1830.

466. **Nineteenth-Century British Literature: Victorian.** 3 hrs. Surveys poetry and prose of the period 1830 to 1900.

467. **Twentieth-Century British Literature.** 3 hrs. Studies major twentieth century British writers, emphasizing novelists and dramatists.

468. **Modern British Poetry.** 3 hrs. Surveys major British poets from Hardy to the present.

469. **Studies in British Literature.** 3 hrs. Examines various topics in British Literature. Repeatable to nine hours.

470. **The American Literary Renaissance, 1820-1870.** 3 hrs. Examines the writings of Emerson, Thoreau, Hawthorne, Melville, Whitman, and others.

471. **The Rise of Realism in American Literature, 1870-1920.** 3 hrs. Examines American Literature after the Civil War, focusing on the terms realism and naturalism.

472. **American Drama.** 3 hrs. Studies American drama from its beginnings to the present, with emphasis on the twentieth century.

477. **The American Novel 1920 to 1960.** 3 hrs. Studies techniques and historical backgrounds of the major novelists.

478. **Modern American Poetry.** 3 hrs. Surveys major American poets from Whitman to the present.

485. **Literature of the South.** 3 hrs. Emphasizes the fiction, poetry, and drama of twentieth-century Southern writers.

489. **Studies in American Literature.** 3 hrs. Studies notable movements, genres, and problems of American literature. Repeatable to nine hours.

492. **Special problems.** 1-3 hrs. Prerequisite: Consent of instructor. Provides the opportunity to pursue a special topic or area of interest.

CIS 454. **Methods in English—Secondary.** 3 hrs. Presents methods of teaching language, literature, and composition in secondary schools.

ENVIRONMENTAL DESIGN (EVD—812)

140. **Environmental Design I.** 3 hrs. An introduction to the field of interior designing with emphasis on processes and resources of the designer.

221. **Floral Design.** 3 hrs. Fundamentals of floral arrangement and design.

240. **Environmental Design II.** 3 hrs. Prerequisite: EVD 140. The exploration and application of design methodology to interior environments.

241. **Environmental Design III.** 3 hrs. Prerequisite: ART 102 and EVD 240; ART 111 recommended. The application of varied media and techniques in depicting interior environments.

331. **Textile Design: Fabric Surface Enrichment.** 3 hrs. Exploration of the basic methods and processes of fabric decoration—screen printing, resist, block, direct, etc.

332. **Fabric Design II.** 3 hrs. Prerequisites: EVD 140 and ART 111. Design by the weaving process.

340. **Residential Interiors.** 3 hrs. Prerequisite: EVD 241; HHM 339 recommended. Advanced problems in space planning, human factors and the application of design principles.

342. **Practicum.** 3 hrs. Prerequisite: EVD 340. Study made of a specific interior designing problem with the community.

440. **Commercial and Institutional Interiors.** 3 hrs. Prerequisite: EVD 241. Design problems involving large scale interiors with emphasis on commerical and institutional projects.

441. **Professional Practices and Procedures.** 3 hrs. Prerequisites: MKT 330, 342, 365. Application of the aspects of business to the interior design profession.

442. **Interior Design Internship.** 6 hrs. Prerequisites: EVD 241, 340, and 441. A practicum for the interior design student in a working-training situation with a professional interior designer.

492. **Special Problems.** 1-6 hrs. Directed individual study.

ENVIRONMENTAL TECHNOLOGY (ESC—335)

105. **Environmental Problems I, II.** 1 hr. Current calculations encountered in environmental monitoring and environmental impact estimations.

205. **Environmental Problems III, IV.** 1 hr. Intermediate applied calculations relating to environmental monitoring, and environmental impact estimations.

301. **Man in His Environment.** 3 hrs. Physical, biological, social, political, and economic problems associated with current environmental issues.

302. **Environmental Improvement Project.** 3 hrs. Prerequisite: ESC 301. Performing an actual environmental improvement project.

330. **Principles of Environmental Health.** 3 hrs. Environmental factors relating to transmission of communicable disease, chemical, and physical hazards to man.

401. **Water Pollution Detection.** 4 hrs. Prerequisite: CHE 311 or permission of instructor. Field sampling and testing for water and air pollution.

402. **Air Pollution Detection.** 4 hrs. Prerequisite: CHE 311, ESC 401, or permission of instructor. Continuation of ESC 401 with emphasis on air pollution.

403. **Air, Water, and Solid Waste Management.** 4 hrs. Current methods for the control of air and water pollution as well as the management of solid waste.

405. **Environmental Impact Statements.** 3 hrs. Preparation of environmental impact statements, EIS's for projects with significant environmental impact.

431. **Principles of Industrial Hygiene.** 4 hrs. Detection and control of harmful agents in working environments, such as vapors, gases, mists, radiation, and sound.

492. **Special Projects.** 1-3 hrs.

FINANCE (FIN—615)

301. **Financial Concepts in Industry.** 3 hrs. Designed to acquaint the undergraduate technology student with the basic principles of financial administration as applied to industry. Not open to students in the College of Business Administration.

320. **Personal Finance.** 3 hrs. A study of the financial problems people encounter in planning and managing their individual affairs.

350. **Bank Administration.** 3 hrs. Prerequisite: ECO 330. A comprehensive survey of the management of bank funds.

352. **Principles of Investments.** 3 hrs. Prerequisite: FIN 389. Introduction to security analysis and portfolio theory.

355. **Problems in Bank Administration.** 3 hrs. Prerequisite: FIN 350. Indepth analysis, mainly by the case method, of issues relating to bank problems.

389. **Business Finance.** 3 hrs. Prerequisites: ACC 202 and ECO 256. Deals with financial management issues. Emphasis is placed on basic tools and methods of the financial managers.

400. **Quantitative Analysis in Finance.** 3 hrs. Prerequisites: GBA 290 and ECO 302. Application of quantitative methods for business decision making applied to the COMPUSTAT financial data files.

462. **Security Analysis.** 3 hrs. Prerequisite: FIN 352. A research course designed to examine the international, national, industrial, and corporate effect on expected microstock prices.

472. **International Business Finance.** 3 hrs. Prerequisite: FIN 389. Concerned with the short- and long-haul and long-run financial operations and specific cash and capital management problems of multi-national business.

480. **Financial Management.** 3 hrs. Prerequisite: FIN 389. High-level analysis of internal and external financial decision-making issues.

492. **Independent Study.** 3 hrs. Special research assignment designed to meet the needs of the particular student.

FOOD AND NUTRITION (FN—815)

163. **Food Study.** 3 hrs. Study of food science principles and their application in the preparation of foods and food products. (JC 1213, 1242)

260. **Human Nutrition.** 3 hrs. The nutritional needs of the body and proper selection of foods to meet these needs.

261. **Meal Planning and Table Service.** 3 hrs. Prerequisite: FN 163. Emphasis on management of time, energy, and money in selection and purchasing of foods, meal planning, preparation, and serving. (JC 2213)

265. **Orientation to Dietetics.** 1 hr. Study of dietetics and careers in the profession.

360. **Basic Nutrition.** 2 hrs. Nutritional needs of body and proper selection of foods emphasized.

362. **Nutrition.** 3 hrs. Study of the body's need for foods, including the chemistry of digestion, metabolism, and nutritive requirements of body during life cycle.

363. **Child Nutrition.** 3 hrs. A study of nutritive requirements for young children.

364. **Teaching Food and Nutrition in the Elementary Grades.** 3 hrs. Course planned to give understanding of materials and methods for teaching nutrition at this level.

365. **Normal and Therapeutic Nutrition.** 4 hrs. Nutrition in health and disease through the life cycle.

430. **Experimental Foods.** 3 hrs. Elementary research to determine factors affecting standard products.

460. **Advanced Nutrition.** 3 hrs. Prerequisite: FN 362. Study of current literature for new findings in the field of nutrition.

461. **Diet in Disease.** 3 hrs. Prerequisite: FN 460. Study of diseases influenced by diet and dietary treatment of diseases.

462. **Food Preservation.** 3 hrs. Study of methods and techniques of preserving foods and its storage. Convenience foods studies.

463. **Applied Community Nutrition.** 6 hrs. A study of community nutrition, resources, and programs.

464. **Clinical Nutrition.** 10 hrs. Clinical experiences in the area of dietetics.

465. **Seminar.** 1 hr. Readings in nutrition and diet therapy and the relation to disease.

466. **Diet Therapy.** 12 hrs. Study and application of principles, techniques, and modification of therapeutic diets.

492. **Special Problems in Food and Nutrition.** 1-4 hrs. arr. Prerequisite: Senior standing and permission of the instructor.

FOOD SCIENCE AND TECHNOLOGY (FST—396)

101. **Introduction to Food Science.** 3 hrs. Examination of the food industry and its development. A discussion of basic food constituents, and food quality and it measurement.

310. **Food Science I.** 3 hrs. Physical, biochemical, and microbiological properties of important classes of food products as they relate to food processing.

311. **Food Science II.** 3 hrs. Materials and methods applicable to foods industries in regard to additives, packaging, sanitation, and quality control.

350. **Food Processing Technology.** 2 hrs. General characterisites of food materials; methods of preservation; processing objectives; packaging; and sanitation.

350-L. **Food Processing Technology Laboratory.** 2 hrs.

351. **Food Processing Technology II.** 2 hrs. Continuation of FST 350.

351-L. **Food Processing Technology II Laboratory.** 2 hrs.

405. **Food Process Engineering.** 3 hrs. Application of chemical engineering principles in food processing.

410. **Food and Drug Laws-Standards and Regulations.** 3 hrs. Federal, state, and city food and drug laws, and how they regulate the food industry.

450. **Food Analysis I.** 2 hrs. Principles and regulation of official chemical, microbiological, and physical methods used in food analysis.

450-L. **Food Analysis I Laboratory.** 2 hrs.

451. **Food Analysis II.** 2 hrs. Continuation of FST 450.

451-L. **Food Analysis II Laboratory.** 2 hrs.

489. **Seminar.** 1 hr. arr. Discussion of current topics in food science and technology.

492. **Special Problems.** 1-3 hrs.

FOREIGN LANGUAGES (FL—228)

100. **English as a Foreign Langauge.** 3 hrs. *Credit not applicable toward degree.

111. **Beginning French I.** 3 hrs. (JC 1113)

112. **Beginning French II.** 3 hrs. (JC 1123)

121. **Beginning German I.** 3 hrs. (JC 1313)

122. **Beginning German II.** 3 hrs. (JC 1323)

131. **Beginning Greek I.** 3 hrs.

132. **Beginning Greek II.** 3 hrs.

141. **Beginning Italian I.** 3 hrs.

142. **Beginning Italian II.** 3 hrs.

151. **Beginning Latin I.** 3 hrs. (JC 1413)

152. **Beginning Latin II.** 3 hrs. (JC 1423)

161. **Beginning Russian I.** 3 hrs.

162. **Beginning Russian II.** 3 hrs.

171. **Beginning Spanish I.** 3 hrs. (JC 1213)

172. **Beginning Spanish II.** 3 hrs. (JC 1223)

211. **Intermediate French I.** 3 hrs. (JC 2113)

212. **Intermediate French II.** 3 hrs. (JC 2123)

221. **Intermediate German I.** 3 hrs. (JC 2313)

222. **Intermediate German II.** 3 hrs. (JC 2323)

241. **Intermediate Italian I.** 3 hrs.

242. **Intermediate Italian II.** 3 hrs.

251. **Intermediate Latin I.** 3 hrs. (JC 2413)

252. **Intermediate Latin II.** 3 hrs. (JC 2423)

261. **Intermediate Russian I.** 3 hrs.

262. **Intermediate Russian II.** 3 hrs.

271. **Intermediate Spanish I.** 3 hrs. (JC 2213)

272. **Intermediate Spanish II.** 3 hrs. (JC 2223)

*This and many other FL courses incorporate language activities during and in addition to classroom instruction. Since the proportion varies with a given course, laboratory hours are not specified.

301. **Credit for Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture of the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

305. **Mythology.** 3 hrs. Topics may vary; to include the development of Greek and Roman, Teutonic, or Celtic mythology illustrated by examples from art and literature.

311. **French Conversation and Phonetics.** 3 hrs.

313. **Reading French.** 3 hrs. An introduction to the study of French prose, poetry, drama; techniques of literary analysis; continued study of French language.

321. **German Converstion and Phonetics.** 3 hrs.

323. **Reading German.** 3 hrs. An introduction . to reading German literature and other documents for comprehension and literary analysis.

333. **Greek Civilization and Literature in Translation.** 3 hrs.

353. **Latin Civilization and Literature in Translation.** 3 hrs.

371. **Spanish Coversation and Phonetics.** 3 hrs.

373. **Reading Spanish.** 3 hrs. Readings in the comtemporary short story, discussion of literary techniques, composition.

400. **Introduction to Exotic Languages.** 3 hrs. May be taken for a total of six (6) hours.

401. **Advanced Credit for Study Abroad.** 3-9 hrs. arr. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as FL 301. (See FL 301.)

403. **Translation.** 3 hrs.

404. **Methods of Teaching Foreign Language.** 3 hrs. May be taken for a total of six (6) hours.

406. **Foreign Language Film.** 1 or 3 hrs. Study of literary and liguistic aspects of foreign films in a given foreign language.

411. **Modern France.** 3 hrs. Contemporary French education, social attitudes, politics, urban and rural life.

412. **Advanced French.** 3 hrs. Advanced study of French grammar and stylistics; composition; reading and stylistic analysis.

413. **Studies in French Literature.** 3 hrs. May be taken for a total of nine (9) hours if topics vary. Topics include nineteenth century drama and poetry, twentieth century drama, nineteenth and twentieth century novel, and seventeenth century literature.

415. **History of French Literature.** 3 hrs. A historical survey focusing on poetics and literary criticism.

421. **Modern Germany.** 3 hrs. A cultural survey of the German-speaking areas in postwar Europe.

422. **Advanced German.** 3 hrs. Advanced study of German grammar and stylistics; composition; reading and stylistic analysis.

423. **Studies in German Literature.** 3 hrs. May be taken for a total of nine (9) hours if topics vary. Topics include the age of Goethe, German realism and naturalism, twentieth century literature.

425. **History of German Literature.** 3 hrs. An historical survey focusing on poetics and literary criticism.

431. **Advanced Greek I.** 3 hrs.

432. **Advanced Greek II.** 3 hrs.

435. **Readings in Greek Literature.** 3 hrs.

455. **Readings in Latin Literature.** 3 hrs.

471. **Modern Spain and Latin America.** 3 hrs. A survey of the cultural background of Spain and Latin America.

472. **Advanced Spanish.** 3 hrs. Review of basic grammar, progressing to more sophisticated aspects; idiom study; composition.

473. **Studies in Hispanic Literature.** 3 hrs. May be taken for a total of nine (9) hours if topics vary. Topics include the Generation of '98, the realist novel, Golden Age drama, Cervantes, and survey of Latin American Literature.

475. **History of Hispanic Literature.** 3 hrs. A historical survey focusing on poetics and literary criticism.

492. **Special Problems.** 1-3 hrs. May be taken for a total of nine (9) hours.

FORENSIC SCIENCE (FSC—375)

340. **Forensic Science I.** 3 hrs. An introductory study of the techniques employed in forensic laboratories.

340-L. **Forensic Science I Laboratory.** 1 hr.

341. **Forensic Science II.** 3 hrs. A continuation of FSC 340.

341-L. **Forensic Science II Laboratory.** 1 hr.

440. **Drug Indentification.** 3 hrs. Lectures, demonstrations and discussions covering all aspects of drug identification, emphasizing those relating to law enforcement, are presented.

442. **Arson and Explosives.** 3 hrs. Introduction to the investigation of arson and bombings.

442-L. **Arson and Explosives Laboratory.** 1 hr.

491. **Special Projects in Forensic Science.** 2 hrs. Individual studies in forensic science principles.

491-L. **Laboratory for Forensic Science 491.** 2 hrs. Hands-on experience with true forensic science situations.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines.

Inasmuch as there is overlapping and duplication in these courses and those offered by other science department of this and other institutions, the student should check carefully with his adviser and/or the Department of Science Education prior to enrolling in these courses.

104. **Physical Science I.** 3 hrs. A study of matter and energy in the universe; the forces acting within the universe; and the laws governing these phenomena. (JC 2213)

105. **Physical Science II.** 3 hrs. The study of elementary and compound substances, the arrangement of forces acting on these substances in the universe. (JC 2223)

106. **Biological Science I.** 3 hrs. Studies in the general life science with emphasis on the systems of Man.

107. **Biological Science II.** 3 hrs. Studies of the diversity of life in plants and animals.

131. **General Physical Science I.** 3 hrs. Prerequisites: Elementary Education major, MAT 210. Study of the interaction of matter and energy.

132. **General Physical Science II.** 3 hrs. Prerequisites: Elementary Education major, FS 131. Study of the interaction of matter and energy.

133. **General Biological Science I.** 3 hrs. Prerequisite: Elementary Education major. A study of the basic patterns of life and a modern system of classifying organisms.

134. **General Biological Science II.** 3 hrs. Prerequisites: Elementary Education major, FS 133. A study of interaction between organisms with their environment.

GENERAL BUSINESS ADMINISTRATION (GBA—616)

100. **Introduction to Business.** 3 hrs. An introductory course to practically all phases of the business world. Not open to juniors and seniors enrolled in the College of Business Administration. (JC 1113)

290. **Fundamentals of FORTRAN.** 3 hrs. Prerequisite: MAT 101. Application of internally stored digital computers to business problems through the use of the FORTRAN language. (JC 1214)

295. **The Legal Environment of Business.** 3 hrs. A study of the interrelationship of law and society and the impact of jurisprudence upon business activity. (JC 2413)

311. **Advanced Business Law.** 3 hrs. Prerequisite: GBA 295. A detailed emphasis on selected legal topics particularly related to business activity.

375. **Managerial Communications.** 3 hrs. Effective principles and practices of written communications and their functional translations in terms of audience evaluation.

415. **Government and Business.** 3 hrs. A study of the place of government in the business world with emphasis on controls, regulation, enforcement of competition and subsidies.

440. **Transportation.** 3 hrs. The principles, practices and problems of transportation that prevail in the United States.

GENETICS (GEN—312)

101. **Heredity and Human Affairs.** 3 hrs. Foundations of human reproductive and hereditary interrelationships and their significance in social, ethical, and moral problems.

402. **Genetics.** 3 hrs. Prerequisite: MIC 101 or BIO 101; one semester of organic chemistry recommended. The fundamental principles of heredity.

403. **Advanced Genetics.** 3 hrs. Prerequisite: GEN 402. A continuation of GEN 402.

404. **Genetic Techniques.** 2 hrs. Prerequisite: GEN 402 or concurrent with GEN 402. Laboratory exercises to illustrate basic genetic principles.

411. **Physiological Genetics.** 3 hrs. Prerequisites: GEN 402, 403. Physiological concepts of heredity.

421. **Interpretation of Biological Data.** 3 hrs. Prerequisite: Permission of instructor. Techniques applicable to the design and interpretation of biological research.

451. **Medical Genetics.** 3 hrs. The basic principles of human genetics with emphasis on the causation of abnormality and disease.

461. **Microbial Genetics.** 2 hrs. Prerequisites: GEN 402, 403. The genetics and molecular biology of microoorganisms and viruses.

461-L. **Micro Genetics Laboratory.** 2 hrs. To be taken concurrently with GEN 461.

461-L. **Microbial Genetics Laboratory.** 2 hrs. To be taken concurrently with GEN 461.

492. **Special Problems I, II, III.** 2-6 hrs. A course in library and/or laboratory research selected in consultation with the adviser.

GEOGRAPHY AND AREA DEVELOPMENT (GHY—268)

102. **Introduction to Geography.** 3 hrs. Introduction to the basic elements and concepts of geography.

103. **World Regional Geography.** 3 hrs. Introduction to world regional geography with emphasis on man's relation to the land. (JC 1113, 1123)

310. **Principles of Cartography.** 3 hrs. Theory and construction of maps from compilation through reproduction: projection design, symbols, and techniques.

317. **Maps and Map Interpretation.** 3 hrs. Categories of maps and their utilization to include classification of projections, design, structure, measurement, and methods of interpretation.

323. **Weather and Climate.** 3 hrs. Survey of elements of weather and climate; emphasis on processes, distribution patterns, and impact on man.

324. **Geography of Landforms.** 3 hrs. Study of structure, process, and stage of geometric configurations of earth's land surface and influences exerted on human activity.

331. **Cultural Systems in the Environment.** 3 hrs. Geographical analysis of man's interaction with environment through time; considers spatial significance and distribution of various cultural elements.

341. **World Political Geography.** 3 hrs. Geographic approach to patterns of power and conflict among nations. Consideration of strategic areas, disputed zones, and regional blocs.

350. **Introduction to Economic Geography.** 3 hrs. Principles of economic geography as developed through regional studies of characteristics and areal associations of economic phenomena

360. **Introduction to Community and Regional Planning.** 3 hrs. A review of the fundamentals and historic development of community and regional planning.

361. **Regional Planning and Development.** 3 hrs. An introduction to the concepts, techniques, and procedures of regional planning and development.

370. **Conservation of Natural Resources.** 3 hrs. An analysis of basic principles and problems associated with the use, misuse, and conservation of natural resources.

400. **Geography of Mississippi.** 3 hrs. Survey of physical, economic, and historical geography of the state; emphasis on man-environment relations and problems.

402. **Geography of the United States and Canada.** 3 hrs. Introduction to physical and human geography of U.S. and Canada; emphasis on natural resources and patterns of economic activity.

403. **Geography of South America.** 3 hrs. Analysis of settlement forms, resource potential, and development problems and progress by political units.

404. **Geography of the Caribbean Countries.** 3 hrs. An historic-geographical approach analyzing spatial relations of cultures and economies in the Caribbean realm.

405. **Geography of the USSR.** 3 hrs. A regional survey of the physical, economic, and cultural geography of the USSR.

406. **Geography of Europe.** 3 hrs. Topical and regional study of Europe; emphasis on industrial, trade, urban, and other cultural patterns.

407. **Geography of Asia.** 3 hrs. Analysis of physical and cultural environments of monsoon Asia; includes evaluation of area's resource and development potential.

408. **Geography of Africa.** 3 hrs. Regional synthesis of physical and cultural features which characterize the African Continent.

410. **Advanced Cartography.** 3 hrs. Prerequisite: GHY 310. Map reproduction techniques, color preparation, scribing, and quantitative symbolization.

411. **Aerial Photography Interpretation.** 3 hrs. Systematic treatment of elements and steps involved in interpreting, measuring, and mapping of images appearing on aerial photographs.

412. **Remote Sensing of the Environment.** 3 hrs. Prerequisite: GHY 411 or permission of instructor. Survey of theory and application of remotely-sensed imageries generated from aircraft and spacecraft for geographic, environment, and planning purposes.

413. **Field Methods in Geography.** 3 hrs. Consideration of basic methods of geographic analysis used in classifying, analyzing, and reporting field-gathered data.

415. **Quantitative Methods in Spatial Analysis.** 3 hrs. Prerequisite: A basic course in statistical methods. Application of statistical and other quantitative techniques to problems of spatial analysis.

416. **Computer Applications in Geography.** 3 hrs. Prerequisite: One course in FORTRAN programming. Study and application of computer mapping as a tool of geographic analysis.

422. **Geography of Soils.** 3 hrs. Study of formulation, distribution, and use of soils; emphasis on soils of south Mississippi; fieldwork and laboratory analysis.

425. **Environmental Climatology.** 3 hrs. Study of climatological aspects of atmospheric pollution; includes chemical, medical, legal, economic, and community-planning dimensions of air pollution.

427. **Meteorology.** 3 hrs. Study of the temporal and areal variations in composition, structure, and working of the atmosphere. Practice in use of instruments and measurements.

428. **Synoptic Meteorology.** 3 hrs. Analysis of air masses; principles of weather forecasting; drawing and interpretation of daily weather maps; and making weather forecasts.

432. **Environmental Perception.** 3 hrs. An analysis of man's perception of his cultural-social environment; considers both the physical and man-made landscape.

435. **Historical Geography of the U.S.** 3 hrs. Study of evolution of cultural landscapes of the area now comprising the United States; emphasis on processes of change.

440. **Population and Human Resources.** 3 hrs. A geographical analysis of the biological and cultural characteristics of population.

451. **Industrial Location Analysis.** 3 hrs. Prerequisite: GHY 350 or permission of instructor. Principles of industrial location analysis; emphasis on theory, locational decision-making, and regional location of manufacturing,

452. **Rural Land Use and Settlement.** 3 hrs. Prerequisite: GHY 350 or permission of instructor. Study of characteristic ways that man utilizes rural land—including settlement, landholding, and agricultural patterns.

453. **Transportation and Land Use.** 3 hrs. Prerequisite: GHY 350 or permission of instructor. Study of the various transportation modes and the effect they have on contemporary development problems.

460. **Urban Geography.** 3 hrs. Prerequisite: GHY 350 or permission of instructor. Review of urban development, processes contributing to development, and effect these processes have on cities.

461. **Socioeconomic Planning.** 3 hrs. Compilation, analyses and projection of population, and economic variables as they relate to community and regional planning.

462. **Environmental Planning.** 3 hrs. A detailed study of environmental planning analysis and methodology as an element in land-use decision-making systems.

463. **Transportation and Community Facilities.** 3 hrs. Examination of community facility and transportation planning and how they relate to the greater goals of the individual and society.

464. **Housing and Land Use Planning.** 3 hrs. Examination and analysis of housing and land use patterns in community and regional planning.

465. **Programming and Land Use Regulations.** 3 hrs. Consideration of various legal and institutional tools related to implementation of community and regional plans.

466. **Public Policy and the Planning Process.** 3 hrs. Deals with function of planning process in formulating effective public policy for development of communities and regions.

469. **Studio-Laboratory: Plan Preparation.** 3 hrs. Preparation and presentation of a professional plan as a collaborative community/student group effort. May be repeated with change of content for a total of six (6) hours.

472. **Forest Resource Management.** 3 hrs. Study of forest-management principles and practices related to both private and public forest holdings.

473. **Water Resources.** 3 hrs. Study of hydrologic processes and their application to needs of cities, industry, agriculture, and recreation.

474. **Watershed Management.** 3 hrs. Investigation of watersheds as planning and management units; emphasis on relationship of water to other resources. Game theory used.

475. **Coastal Zone Management.** 3 hrs. Study of coastal-zone problems and conflicts; emphasis on multiple-objective planning and resource-management procedures.

491. **Geography and Planning Internship.** 1-9 hrs. May be repeated for a total of nine hours.

492. **Special Problems.** 1-3 hrs. May be repeated for a total of six hours.

GEOLOGY (GLY—340)

101. **Physical Geology.** 3 hrs. The physical processes in and materials of man's environment. An introductory course. (JC 1113)

101-L. **Physical Geology Laboratory.** 1 hr. Pre- or Corequisite: GLY 101. An elementary study of rocks, minerals, and maps. (JC 1111)

103. **Historical Geology.** 3 hrs. Prerequisite: GLY 101. A study of earth history as revealed in the character and fossil content of rocks. (JC 1123)

103-L. **Historical Geology Laboratory.** 1 hr. Introduction to the study of fossils and interpretation of geologic maps. Field trips may be required. (JC 1121)

301. **Mineralogy I.** 4 hrs. Prerequisites: GLY 101, CHE 101, 102. Elements of crystallography, silicate structure, and determinative mineralogy.

304. **Petrology.** 4 hrs. Prerequisite: GLY 301. Principles of rock genesis, lithology, taxonomy, and recognition.

306. **Environmental Geology.** 3 hrs. Material and energy systems as they relate to man and his environmental problems.

308. **Structural Geology.** 4 hrs. Principles of rock deformation; field trips. Prerequisites: GLY 103 and MAT 103.

310. **Geomorphology.** 3 hrs. Prerequisites: GLY 101,. 101-L. Study of geologic processes involved in landscape development.

341. **Invertebrate Paleontology.** 4 hrs. Prerequisite: GLY 103, 103-L. Taxonomy, morphological features, and geologic distribution of invertebrate fossils.

401. **Principles of Stratigraphy.** 3 hrs. Prerequisites: GLY 301, 308, 341, or permission of instructor.

404. **Coal Petrology.** 3 hrs. Prerequisites: GLY 403 or permission of instructor. A study of origin, coalification and maceral composition of coal and the application to problems of paleobotany, oil and gas prospecting and fuel technology.

403. **Optical Mineralogy.** 4 hrs. Prerequisites: GLY 301 and MAT 103. Introduction to optical mineralogy, and thin section study of rocks using polarizing microscope.

405. **Sedimentology.** 3 hrs. Prerequisite: GLY 301, 403. Origin of sedimentary particles, sedimentary structures and classification of sedimentary rocks.

410. **Elements of Geochemistry.** 3 hrs. Prerequisites: GLY 301, 304. Chemical processes in the environment as a guide to environmental analysis and geological synthesis.

415. **Clay Mineralogy.** 3 hrs. Prerequisites: GLY 101 and CHE 102. Origin, structure, and chemistry of clays, identification techniques, clay-water systems, soil formation and engineering techniques.

420. **Elements of Geophysics.** 3 hrs. Prerequisites: GLY 101, MAT 103, PHY 102 (or 202), and consent of instructor. Applications of physics to geological investigations.

422. **Geophysical Well-Logging.** 3 hrs. Principles of obtaining data from bore hole instruments, and geological interpretation of data. Laboratory included.

426. **Advanced Geophysics.** 3 hrs. Prerequisites: PHY 102, 106, or 202. Corequisite: MAT 277. Physical principles governing gravity, and seismic exploration.

443. **Micropaleontology I.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of Foraminifera; field trips.

450. **Introductory Oceanography.** 3 hrs. Prerequisites: GLY 103, CHE 102, PHY 102, and consent of instructor. Basic principles of geological oceanography.

452. **Physical Marine Geology.** 3 hrs. Gulf Coast Research Laboratory. Prerequisites: GLY 101, 103. Geological processes, sedimentary environments, and geomorphological features of Gulf Coast.

454. **Chemical Marine Geology.** 3 hrs. Gulf Coast Research Laboratory. Prerequisites: GLY 103, 301, and CHE 102. Supervised research on the chemistry of the coastal waters of Mississippi and geochemistry of the bottoms.

470. **Petroleum Geology.** 3 hrs. Prerequisites: GLY 304, 308, 401, or permission of instructor. The origin, occurrence, and accumulation of oil and natural gas; field trips.

474. **Geological Excursion.** 1 hr. Field studies of geological phenomena in areas remote from the campus, by means of 8 to 10 day field trips during scheduled breaks.

476. **Hydrology.** 3 hrs. An introduction to the origin, distribution, movement and properties of the waters of the earth.

480. **Introduction to Geological Field Work.** 1 hr. Practice in use of Brunton compass, plane table and alidade, geological map-making, recording field data, and keeping field notes.

492. **Special Problems in Geology.** 1-3 hrs. Prerequisite: Senior standing and permission of the chairman. Independent study or research.

HEALTH AND SAFETY EDUCATION (HSE—715)

101. **Personal Health.** 3 hrs. An examination of the relationships of various life-style components to various levels of health. (JC 1213)

210. **Introduction to Health Education.** 3 hrs. A study of the health education profession, specialties, manpower, and philosophies.

310. **First Aid.** 2 hrs. Standard First Aid as approved by the American Red Cross.

311. **Emergency Health Care.** 3 hrs. Standard First Aid plus advanced study certifying personnel to conduct first aid courses in school and community. (School of HPER Core)

315. **Anatomical Structures Related to Movement.** 3 hrs. Prerequisites: BIO 101 and 102. A study of the anatomical structures pertinent to human movement.

321. **Community Health.** 3 hrs. Community control of environment health hazards and diseases; health agencies.

341. **Safety.** 3 hrs. Accident problems, safety programs, and methods of prevention.

342. **Education for Safe Living.** 3 hrs. Curriculum development, community resources, and audiovisual materials for teaching safety.

409. **Community Health Education Methods.** 3 hrs. Planning techniques, behavioral objectives, content selection, motivational theory, educational strategies and evaluation.

410. **School Health Education Methods.** 3 hrs. Scope and sequence review, behavioral objectives, content selection, and a variety of education strategies for levels K-12.

411. **Health Education Curriculum for Secondary Schools.** 3 hrs. Varieties of curriculum organization, scope and sequence, survey of educational content, facilities and equipment.

412. **Measurement and Evaluation in Health Education.** 3 hrs. A survey of evaluation instruments for appraising and interpreting health data.

414. **Consumer Health.** 3 hrs. A survey of consumer problems related to health misconceptions, choosing health services, medical quackery, and advertising of health products.

415. **School Health.** 3 hrs. Organization and operation of school health programs with emphasis on policies, procedures, problems, and field work.

420. **Communicable and Chronic Disease in Man.** 3 hrs. Problems, control, and prevention of communicable and chronic disease in modern society.

421. **Sanitation.** 3 hrs. Sanitation in the home and school, in food production, water supply, waste, and excreta disposal.

422. **Drugs in Society.** 3 hrs. Prerequisite: HSE 101 or permission of instructor. Psychosocial, medical, legal, and health aspects of drugs and their abuse.

423. **Curriculum Development in Alcohol Education.** 3 hrs. An analysis of alcoholism, instructional approaches, and community resources for teaching alcohol misuse and abuse.

430. **Marriage and Human Sexuality.** 3 hrs. Physical, emotional, and medical bases for successful courtship, marriage, and parenthood.

435. **Mental Health Education.** 3 hrs. A survey of the content and teaching strategies for mental health education.

440. **Introduction to Driver Education.** 3 hrs. Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation and traffic law.

441. **Traffic Safety Education.** 3 hrs. An in-depth study of the major problems in traffic safety, including driver, pedestrian, engineering, and enforcement.

442. **Laboratory Programs in Driver Education.** 3 hrs. An examination of the aims, objectives, and role of laboratory programs in driver education.

443. **Methods of Driver and Traffic Safety Education.** 3 hrs. Prerequisite: HSE 440. Methods and techniques to develop competence in transferring knowledge and skills.

444. **Simulation in Driver Education.** 3 hrs. Prerequisites: HSE 440 and HSE 443. An audiovisual instructional method designed to complement and supplement other instructional techniques.

445. **Driver Education Laboratory.** 1 hr. This course is designed to provide students who are enrolled in HSE 443 with supervised teaching experience.

446. **Innovative Programs of Driver Education.** 3 hrs. New and unique teaching methods of driver and traffic safety education.

488. **Motorcycle Education.** 3 hrs. Analysis of the motorcycle traffic problem; methods of teaching classroom and laboratory phases of motorcycle education.

489. **Driver Education for Special Students.** 3 hrs. Curriculum development and teaching materials in traffic safety education for special education students.

492. **Special Problems.** 3 hrs. A student originated problem, research plan, and reporting of results, with guidance of a chosen adviser.

HISTORY (HIS—272)

ECO 310 and PS 420, 421, and 425 may be selected as history if approved by the student's adviser. No more than six (6) hours of these courses may be counted as history credit.

101. **World Civilization to 1648 A.D.** 3 hrs. (JC 1113 or 1143)

102. **World Civilization Since 1648 A.D.** 3 hrs. (JC 1123 or 1153)

140. **United States to 1877.** 3 hrs. (JC 2213 or 2243)

141. **United States Since 1877.** 3 hrs. (JC 2223 or 2253)

300. **World History Since 1945.** 3 hrs. An analysis of Communist ideology and the power relationships between the United States, Russia, and China since 1945.

301. **Modern China and Japan.** 3 hrs. An historical study of China and Japan in the 19th and 20th centuries.

303. **Studies in Non-Western History.** 3 hrs. May be repeated for a total of nine hours.

310. **The Ancient World.** 3 hrs.

311. **The Middle Ages.** 3 hrs.

313. **Early English History.** 3 hrs.

315. **Studies in European History.** 3 hrs. May be repeated for a total of nine hours.

340. **Afro-American History.** 3 hrs. A chronologically arranged survey of the black political, social, economic, and intellectual experience in slavery and freedom, with emphasis on protest thought and deed.

341. **Mississippi History.** 3 hrs. A survey of Mississippi's economic, social, and political development from seventeenth century European settlement to the present.

342. **U.S. Military History.** 3 hrs. A survey of American military history.

343. **Our Times.** 3 hrs. A detailed examination of social, intellectual, political, diplomatic, and economic history since World War II.

344. **Studies in United States History.** 3 hrs. May be repeated for a total of nine hours.

345. **Introduction to Historical Methodology.** 3 hrs. A basic course to acquaint the student with the theory and practice of historical study.

380. **Latin American Empires.** 3 hrs. A description and analysis of Maya, Aztec, Inca, Spanish, and other European empires which have helped shape Latin America's traditions.

381. **Modern Latin America.** 3 hrs. A study of Latin American history from independence (ca. 1825) to the present with an emphasis on social, economic, and cultural developments.

382. **Studies in Latin American History.** An undergraduate seminar dealing with a variety of Latin American topics. May be repeated for a total of nine hours.

411. **History of the USSR.** 3 hrs.

412. **English Constitutional and Legal History.** 3 hrs. Emphasis on the main trends in the evolution of the modern common law system and the contemporary constitution.

413. **Medieval Life and Thought.** 3 hrs.

414. **Modern Germany.** 3 hrs. A survey of the political, diplomatic, economic, and social developments in Germany from the Bismarchian era through the Third Reich.

415. **French Revolution and Napoleon.** 3 hrs. A study of Revolutionary and Napolenic France and its impact on Europe.

416. **Europe 1815-1870.** 3 hrs. A survey of early nineteenth century Europe, with emphasis on nationalism and the quest for reform.

417. **Europe 1870-1914.** 3 hrs. A survey of the late nineteenth and early twentieth century Europe with emphasis on the growth of democrary, the expansion of empires, and the origin of World War I.

418. **Europe, 1914-1945.** 3 hrs.

421. **Tudor-Stuart Britain.** 3 hrs.

424. **Modern European Popular Culture.** 3 hrs.

425. **Nineteenth and Twentieth Century Britain.** 3 hrs.

440. **The Age of Jefferson and Jackson.** 3 hrs. A study of political, social, and cultural changes in the United States from 1789-1848.

442. **The Old South.** 3 hrs. The social, economic, and cultural history of the antebellum South with particular emphasis on the plantation system and slavery.

443. **The New South.** 3 hrs. An analysis of the pecularities of the South's social, economic, political, and intellectual development from 1877 to the present. Emphasis is placed on those factors making the South distinctive in American history.

445. **U. S. Foreign Relations to 1914.** 3 hrs. A study of U. S. foreign policy from the American revolution to World War I with an emphasis on manifest destiny and American expansion.

446. **U. S. Foreign Relations Since 1914.** 3 hrs. A continuation of HIS 445 with an emphasis of the diplomacy of World War I, the events leading to World War II, World War II, and the Cold War.

447. **Colonial America.** 3 hrs. Development of social, political, economic, and religious life in the English colonies of North America to 1763.

448. **The American Revolution.** 3 hrs. A discussion course concerning the dispute between Great Britain and her American colonies which led to the development of a new nation.

450. **The Early American Frontier.** 3 hrs. A discussion course concerning pioneer life—primarily in the South—from the Atlantic seaboard to the Mississippi Valley.

451. **The Western Frontier.** 3 hrs. Examines the significance of frontier types west of the Mississippi including explorers, mountain men, cowboys, farmers, miners, railroaders, and Indians.

452. **The Sectional Controversy and the Civil War, 1848-1877.** 3 hrs. An examination of sectional conflict, Civil War, and Reconstruction with primary emphasis on political and military history.

453. **Modern America.** 3 hrs. A survey of political, economic, diplomatic, and social developments in the United States from the close of the Civil War through the end of World War I.

454. **Twentieth Century America, 1919-1945.** 3 hrs. A detailed examination of the social, intellectual, political, diplomatic, and economic history of the interwar years.

456. **U. S. Legal and Constitutional History to 1877.** 3 hrs. Examines the relationship between law and society in formative period of American history.

457. **U. S. Legal and Constitutional History Since 1877.** 3 hrs. Traces the response of law to problems of modernization in the United States from the end of Reconstruction to the present.

475. **A History of American Thought I.** 3 hrs. A survey of American thought from the 17th through the 19th century.

476. **A History of American Thought II.** 3 hrs. Prerequisites: HIS 471 or permission of instructor. A survey of 20th century American thought.

480. **History of Mexico and the Carribean.** 3 hrs.

481. **History of South America: The Andean Countries.** 3 hrs.

482. **History of South America: Brazil and the Rio de la Plata.** 3 hrs.

492. **Special Problems.** 1-3 hrs.

HOME ECONOMICS EDUCATION (HEE—820)

301. **Teaching Home Economics.** 3 hrs. Prerequisite: Junior standing in home economics. A study of teaching techniques, materials and school procedures, as well as planning and organizing curriculum.

302. **Consumer Economics.** 3 hrs. A study of the consumer in occupational programs for youth and adult audiences.

402. **Occupational Home Economics.** 4 hrs. Participation in occupational programs for youth and adult audiences.

403. **Student Teaching Home Economics.** 9 hrs. Prerequisite: HEE 301 with grade no lower than **B.**

478. **Home Economics Seminar.** 1 hr. This course is concerned with the history and philosophy of home economics and the preparation of the professional home economics graduate.

492. **Special Problems.** 1-4 hrs. arr.

HONORS COLLEGE (HON—000)

111. **Honors Colloquium.** 3 hrs. Major civilizations of the western world.

112. **Honors Colloquium.** 3 hrs. Continuation of HON 111.

121. **Honors Composition.** 1 hr. An introduction to writing non-fiction prose.

122. **Honors Composition.** 1 hr. Continuation of HON 121.

131. **Honors Art.** 3 hrs. Art in western civilization.

211. **Honors Colloquium.** 3 hrs. Continuation of HON 112.

212. **Honors Colloquium.** 3 hrs. Continuation of HON 211.

221. **Honors Composition.** 1 hr. Continuation of HON 122.

222. **Honors Composition.** 3 hrs. Continuation of HON 221.

231. **Honors Music.** 3 hrs. Music in western civilization.

241. **Studies in Contemporary Science.** 3 hrs. Theoretical, laboratory, and field study of current scientific problems.

242. **Studies in Contemporary Science.** 3 hrs. Continuation of HON 241.

301. **Prospectus Writing.** 1 hr. Introductory research methods for Honors students.

302. **Honors Colloquium.** 1 hr. Various topics of contemporary concern.

303. **Honors Colloquium.** 3 hrs. Continuation of HON 212.

311. **Honors Directed Study.** 3 hrs. Independent study for Honors students.

312. **Honors Directed Study.** 3 hrs. Continuation of HON 311.

321. **University Forum.** 1 hr. A presentation of major themes in humanities, science, and social science.

322. **University Forum.** 1 hr. Continuation of HON 321.

401. **Honors Colloquium.** 1 hr. Various topics of contemporary concern.

402. **Honors Colloquium.** 1 hr. Continuation of HON 401.

403. **Honors Colloquium.** 3 hrs. Aspects of civilization.

411. **Honors Directed Study.** 3 hrs. Independent study for Honors students.

490. **Honors Colloquium.** 3 hrs. The contemporary world.

492. **Honors Research.** 1-3 hrs. Senior project.

Special Honors sections are also offered by several departments, as follows: BIO H101, BIO H102, PS H101, SOC H101.

HOTEL AND RESTAURANT ADMINISTRATION (HRA—818)

179. **Introduction to Lodging and Food Service Management.** 3 hrs. An introductory course in the lodging, food service and tourism industries.

475. **Food and Beverage Management.** 3 hrs. Basic principles and procedures of effective beverage selection, control, and management.

476. **Hotel and Motel Administration.** 3 hrs. Organization, management, and operating procedures of lodging facilities.

478. **Seminar in Hotel and Restaurant Industry.** 1-6 hrs. arr. Discussion and analysis of principles, trends, and practices in the industry.

479. **Internship in Lodging and Food Service.** 9 hrs. arr. Structured and supervised on-the-job learning experience in lodging and/or food service.

480. **Hospitality Industry Accounting.** 3 hrs. Accounting principles applied to the hospitality industry. Financial statement analysis through case study. Managerial accounting emphasized.

481. **Laws and Regulations of the Travel Industry.** 3 hrs. Prerequisites: Junior status, MGT 370. Origin, development, and principles of common and statutory law as they apply to the travel industry.

482. **Marketing of Hospitality and Travel Services.** 3 hrs. Prerequisite: MKT 355. Analysis of the planning, developing, and marketing of food, lodging, and travel services.

483. **Dimensions of Tourism.** 3 hrs. Study of the components and forces which influence the international and domestic hospitality and travel industries.

492. **Special Problems in Hotel and Restaurant Administration.** 1-6 hrs.

HOUSING AND HOME MANAGEMENT (HHM—825)

339. **Shelter Components.** 3 hrs. Prerequisite: CT 330. A study of materials of architectural interiors and furnishings.

340. **Housing and House Furnishing.** 3 hrs. Prerequisite: CT 332. A study of the economic and sociological problems in housing and house furnishing.

341. **Historic Furniture and Interior Design I.** 3 hrs. A study of the patterns of historical development and change as revealed in furniture and domestic interiors from the Renaissance through twentieth century, excluding America.

342. **Historic Furniture and Interior Design II.** 3 hrs. American furniture styles and interior design.

343. **Budget Decorating.** 3 hrs. A problems course related to decorating with limited resources.

345. **Household Equipment.** 3 hrs. Prerequisite: FN 261. A study of the selection, operation, care, repair, and arrangement of appliances in the home.

401. **Demonstration Techniques.** 3 hrs. Planning and conducting demonstrations for professional home economists.

441. **Field Work in Equipment.** 9 hrs. Field work for those planning to become home economists in business.

442. **Economics of the Home.** 3 hrs. Problems of homemaking relating to wise use of resources.

443. **Home Management Residence.** 4 hrs. Prerequisites: FN 163, 261, 362 and HHM 345. (HHM 442 to be taken concurrently.)

492. **Special Problems in Housing and Home Management.** 1-4 hrs. A. Housing—Prerequisite: HHM 340. B. Equipment—Prerequisite: HHM 345.

HUMANITIES (HUM—001)

210. **Man's Precarious Habitat.** 3 hrs. A study of physical, biological, social, political, and economic problems of environment.

310. **Greek Culture and Literature in Translation.** 3 hrs. A survey of Greek culture and civilization from Homer to Plato.

313. **Latin Culture and Literature in Translation.** 3 hrs. A survey of Latin Culture and civilization.

314. **History of Music.** 3 hrs. An investigation of major developments in music from classical Greece to the modern age.

315. **History of Art.** 3 hrs. An investigation of the visual arts in the history of western man.

316. **The Impact of Science on History.** 3 hrs. An investigation of the historical importance of science.

380. **History of Philosophy.** 3 hrs. An historically oriented introduction to major philosophical ideas.

382. **Introduction to Anthropology.** 3 hrs. A comprehensive and indepth introduction to each of the major fields of anthropology.

410. **Readings in Western Literature I.** 3 hrs. Selected translations of masterpieces of world literature to 1500.

412. **Readings in Western Literature II.** 3 hrs. An analysis of selected European literature from 1500 to the present.

INDUSTRIAL AND VOCATIONAL EDUCATION (IVE—165)

116. **Multifield Crafts Laboratory.** 3 hrs. An introduction to contemporary art-crafts with laboratory experience and skill development. A multiple activity emphasis.

301. **Applied Electricity.** 3 hrs. Introduction to electrical theory. Laboratory experience with basic communications and industrial circuits.

302. **Applied Electronics.** 3 hrs. Prerequisite: IVE 301. A continuation of electron theory and laboratory experience with communications and industrial circuits.

303. **Industrial Electronics.** 3 hrs. Prerequisite: IVE 302. Solid state integrated circuits. Printed circuit board fabrication and trouble-shooting.

314. **Leather Craft.** 3 hrs. Designing, tooling, carving, and finishing leather products.

315. **Plastics.** 3 hrs. Materials in common use, project design, and fabrication.

316. **Power Mechanics.** 3 hrs. Development and use of all forms of power. Laboratory experiences with gasoline engines.

318. **Materials and Processes of Industry.** 3 hrs. A study of manufacturing methods with a wide variety of industrial materials.

319. **Industrial Arts for Elementary Teachers.** 3 hrs. A methods course for elementary teachers.

323. **Engineering Drawing I.** 3 hrs.

324. **Engineering Drawing II.** 3 hrs. Prerequisites: IVE 323.

331. **Woodwork.** 3 hrs. Introduction to woodworking tools; materials, processes, and products.

332. **Finishing Materials and Applications.** 3 hrs. A course covering equipment, materials, and techniques.

333. **Advanced Woodwork.** 3 hrs. Prerequisite: IVE 331. Emphasis upon design, machine use, and advanced project construction.

350. **Architectural Drawing.** 3 hrs. Practice in drafting contemporary house plans: Floor plans, elevations, sections, details, etc.

360. **General Metals.** 3 hrs. Introduction to the field of metal working.

361. **Sheet Metal Fabrication.** 3 hrs. Pattern making and metal forming processes.

362. **Machining Processes.** 3 hrs. Typical machine operations including turning, drilling, milling, etc.

364. **Welding.** 3 hrs. Theory and practice in gas and arc welding.

365. **Casting Technology.** 3 hrs. Investigations and laboratory experiences in casting processes.

366. **Decorative Metal Work.** 3 hrs. Designing, constructing, and finishing of decorative objects in metal.

400. **Shop Planning and Equipment Selection.** 3 hrs. A study of shop layout, equipment specifications, cost, and procurement.

401. **Laboratory Organization and Management.** 3 hrs. Organization of students and physical facilities.

402. **History and Philosophy of Industrial Education.** 3 hrs. A study of the underlying foundations and principles, leaders, and movements in industrial arts.

403. **Occupational Analysis and Course Construction.** 3 hrs. Analyzing occupations into their basic components and arranging for instructional purposes.

404. **Problems of the Coordinator.** 3 hrs. A study of the problems, procedures, techniques, etc., in the operation of part-time cooperative education.

420. **Industrial Materials Testing.** 3 hrs. A systematic study of common industrial materials, their properties, and application through experiments and research.

421. **Power Transmissions.** 3 hrs. A study of mechanical, hydraulic, pneumatic, and electrical power amplification and transmission.

430. **Introduction to Vocational and Technical Education.** 3 hrs.

431. **Principles of Trade and Industrial Teaching.** 3 hrs. A methods course for teaching trade and industrial subjects.

432. **Problems of Adult Education.** 3 hrs. Methods and techniques in teaching adults in industrial education classes.

433. **Curriculum Construction for Cooperative and Adult Vocational Classes.** 3 hrs. Objectives, content, arrangement and techniques of teaching in part-time cooperative and evening programs.

434. **Occupational Surveys.** 3 hrs. Planning and conducting occupational surveys for educational purposes.

435. **Instructional Materials for Industrial Education.** 3 hrs. Indentification, selection, development, and use of instructional aids in vocational and technical education.

436. **Curriculum Construction for Vocational Technical Education.** 3 hrs. Principles, practices, and techniques in planning and establishing a class or program in vocational technical education.

462. **Advanced Machine Tool Techniques.** 3 hrs. Advanced study of machine tool operations processes and procedures.

480. **History and Philosophy of Vocational Education.** 3 hrs. Objectives, principles, aims, and organization of programs in schools and colleges.

481. **Testing and Evaluation in Vocational Education.** 3 hrs. Development and utilization of various measuring devices and techniques.

482. **Industrial and Vocational Safety.** 3 hrs. Analysis of fundamentals of accident prevention and their application in school and industrial shops.

483. **Occupational Safety.** 3 hrs. Organization and administration of safety programs including implementation of the Occupational Safety and Health Act. Primarily for industrial educators.

492. **Industrial Special Problems.** 1-3 hrs. Prerequisites: Senior standing and chairman's permission.

494. **Student Teaching in Vocational-Technical Education.** 9 hrs. Prerequisite: IVE 431. For students who plan to teach in a post-secondary vocational or technical program and who are not presently employed in such a program.

495. **Internship in Vocational-Technical Education.** 1-9 hrs. Prerequisite: IVE 431. A nine-months' supervised experience for practicing teachers of vocational or technical subjects.

INDUSTRIAL TECHNOLOGY (INT—395)

148. **Engineering Graphics.** 3 hrs. The basics of engineering drawing: tools and equipment, sketching, projections, dimensioning, and tolerances.

249. **Production Graphics.** 3 hrs. Graphical procedures used in industrial processes and product development.

250. **Descriptive Geometry.** 3 hrs. Orthographic projection as applied to representation and solution of engineering problems.

300. **Manufacturing Processes.** 3 hrs. Elementary manufacturing operations and their combination into manufacturing processes.

301. **Engineering Economics.** 3 hrs. Mathematical techniques used to simplify economic comparisons in the acquisition and retirement of capital goods in industry.

306. **Electrical Power System Instrumentation.** 3 hrs. Instrumentation and techniques for monitoring electrical power system operation.

308. **Industrial Instrumentation.** 3 hrs. Modern methods of measurement and control of process variables; temperature, pressure, liquid level, flow, etc.

392. **Special Problems.** 1-3 hrs. arr. Prerequisite: Junior standing; approval of faculty adviser. Individual or group study in area not covered by available courses.

400. **Senior Project.** 3 hrs. arr. Prerequisite: Senior standing; approval of faculty adviser. Student required to complete project in his area of specialization.

401. **Senior Project.** 3 hrs. arr. Continuation of INT 400.

405. **Production Technology.** 3 hrs. Plant layout, materials handling, production evaluation, set-up and maintenance procedures.

406. **Industrial Automation.** 3 hrs. Automation and its productive, economic, interpersonal, and supervisory aspects.

407. **Personnel in Technology.** 3 hrs. Concepts, principles, techniques, and programs essential to the employment, development, and utilization of technical personnel.

408. **Innovations in Technology.** 3 hrs. Introduction to factors involved in technological change within an industrial operation.

409. **Plant Layout.** 3 hrs. Effectiveness of plant layout to the production activity, involving personnel, materials, tools and equipment.

440. **Alternate Energy Systems.** 3 hrs. Study of alternative sources of energy and power.

443. **Power Plants.** 3 hrs. Study of stationary power plants, economics, efficiency, components, fuels, and typical industrial applications.

461. **Electrical Power Generation and Distribution.** 4 hrs. Power generation and distribution, load flow, faults, grids, and layout.

462. **Power System Economics.** 3 hrs. Prerequisite: INT 461. Economics of power system operation: cost analysis, rate determination, optimum system operation.

463. **Computer Methods in Electrical Power.** 3 hrs. Prerequisite: INT 461. Computer-aided analysis and design of electric power systems.

476. **Electrical Safety in Industry.** 3 hrs. Electrical equipment safety. Injuries caused by electrical faults. Inspection and maintenance of electrical equipment.

477. **Fire Safety in Industry.** 3 hrs. Factors contributing to industrial fires. Chemistry and classifications of fires. Fire extinguishers and water systems. Fire Prevention.

491. **Seminar.** 2 hrs. Prerequisite: INT 461 and senior standing. Tours, guest lectures, student presentations, and discussions of the latest methods in the field.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing; approval of faculty adviser. Supervised study in area not covered by available courses.

INSTITUTION ADMINISTRATION (IAD—817)

271. **Problems in Managing a Food Service.** 3 hrs. Organizational structure of the federal school lunch program. Emphasis placed on management procedures.

272. **Basic Principles of Quanitity Food Service.** 3 hrs. Emphasis on planning, preparation and service for large groups.

273. **Sanitation for Institutions.** 3 hrs. Emphasis on all phases of sanitation.

370. **Catering.** 2 hrs. Principles, techniques and implementation of special functions in food service.

470. **The School Lunch.** 3 hrs. Designed to give experience in menu planning, records, food buying and preparing and serving food on quantity level.

471. **Institution Food Purchasing.** 3 hrs. Prerequisite: Junior standing. Investigation of marketing conditions, sources, standards, grades, methods, and storage of classes of foods.

472. **Quantity Food Production and Service.** 4 hrs. Emphasis on actual food preparation and serving on quantity level.

473. **Food Systems Management.** 6 hrs. Food preparation, organization, financial control and personnel management for institution food departments.

474. **Layout and Equipment.** 3 hrs. Prerequisite: Junior standing. A study of the layout and function of physical facilities with emphasis on arrangement, selection, cost, and care of equipment.

475. **Food Systems II.** 6 hrs. Organization and management cost control. Layout and equipment and human relations.

476. **Food Service Management.** 4 hrs. Prerequisite: IAD 472. A study of management of food service systems and the interrelationship of the components of these systems.

492. **Special Problems in Institution Administration.** 1-4 hrs. Prerequisite: Permission of instructor.

JOURNALISM (JOU—212)

102. **Beginning Reporting.** 3 hrs. (JC 1113)

103. **Intermediate Reporting.** 3 hrs. Prerequisite: JOU 102. Application of news gathering and writing techniques with emphasis on interviews, speeches and press conferences.

140. **Elements of Photography.** 3 hrs.

140-L **Elements of Photography Laboratory.** 1 hr.

240. **Visual Journalism.** 3 hrs. Study and use of the elements of design as used in the photographic image.

300. **Journalism Laboratory.** 1 hr. (May be repeated twice.)

301. **Feature Writing.** 3 hrs. Writing and marketing magazine articles.

311. **Editing.** 3 hrs.

312. **Design Typography.** 3 hrs. General survey of type and printing development. Practical exercises in preparation of camera-ready copy through production.

313. **Newspaper Design and Make-up.** 3 hrs. Prerequisite: JOU 311.

315. **Editorial Writing.** 3 hrs.

331. **Print Media Advertising.** 3 hrs. Study and practical assignments in copy writing and designing advertising layouts.

341. **Intermediate Photography.** 3 hrs. Prerequisite: JOU 140. Photographic techniques and composition for 35 mm and 120 format photography.

342. **History of Still Photography.** 3 hrs.

344. **Photojournalism.** 3 hrs. Prerequisite: JOU 341.

346. **Color Photography.** 3 hrs. Prerequisite: JOU 341. Color photography and printing techniques using both positive and negative color film.

402. **Advanced Reporting.** 3 hrs. Prerequisite: JOU 103. Public affairs reporting emphasizing coverage of city and county governments and the courts.

403. **Specialized Reporting.** 3 hrs. Prerequisite: JOU 103. Emphasis on methods of indepth research and news gathering with writing designed for specific publications.

405. **Problems in Newspaper Production.** 3 hrs. Practical training in the production of student newspaper and advising of staffs.

418. **Practicum in Journalism.** 3 hrs. Prerequisite: JOU 103 for practicum in newseditorial program; JOU 140 for practicum in photojournalism; JOU 331 for practicum in advertising.

421. **Public Relations.** 3 hrs.

422. **Publicity Methods.** 3 hrs. Prerequisite: JOU 102.

425. **Business and Professional Publications.** 3 hrs.

428. **Public and Press Relations Management.** 3 hrs. Prerequisite: JOU 421.

440. **Advanced Press Photography.** 3 hrs. Prerequisite: JOU 341.

442. **Commercial Print Media Photography.** 3 hrs. Prerequisite: JOU 341.

444. **Advanced Commercial Photography.** 3 hrs. Prerequisite: JOU 442. Techniques emphasizing professional quality work in the specialized areas of commercial photography.

450. **History of Journalism.** 3 hrs.

452. **Press and Society.** 3 hrs. Study of the relationship between the press and the culture and institutions of society.

460. **Law of the Press.** 3 hrs.

470. **Newspaper Organization and Management.** 3 hrs.

492. **Special Problems.** 1-3 hrs.

LIBRARY SCIENCE (LS—170)

101. **Introduction to the Library.** 1 hr. Basic course in keys to information resources. May not be used for a major in library science.

201. **Introduction to Library Resources and Usage.** 3 hrs. A survey of library resources as well as methods and techniques for effective utilization of library materials and services. May not be used for a major in library science.

401. **Introduction to Reference Resources and Services.** 3 hrs. An introduction to reference materials, services, activities, and functions as well as methods for locating information.

405. **Cataloging and Classification I.** 3 hrs. Principles and methods of cataloging and classifying library materials. Provides practice in bibliographical description and subject analysis.

406. **Cataloging and Classification II.** 3 hrs. Prerequisite: LS 405. Advanced study of the principles and methods of descriptive and subject cataloging and classification with attention to non-print materials.

408. **Administration of Library-Media Centers I.** 3 hrs. A survey of the objectives, functions, and organization of the library-media center in elementary and secondary schools.

409. **Administration of Library-Media Centers II.** 3 hrs. Prerequisite: LS 408. Advanced study of school library media programs with emphasis on the application of administrative principles to planning, budgeting, staffing, and evaluation.

411. **Development of Multi-Media Collections.** 3 hrs. Principles governing the selections and procurement of all types of library materials, including the use of selection aids and bibliographic sources.

416. **Audiovisual Media and Equipment.** 3 hrs. A survey of media resources and equipment with an emphasis on utilization in libraries. Provides experience with equipment.

417. **Literature and Related Media for Children.** 3 hrs. A survey of children's literature, traditional and modern, and other related materials for use by and with children of grades 1-6.

418. **Literature and Related Media for Adolescents.** 3 hrs. Study of adolescent literature and other related materials for use by and with young people of grades 7-12.

425. **Instructional Styles in Media Centers.** 3 hrs. The assessment of individualized styles of instruction in school library media centers.

426. **Film and Television in Libraries.** 3 hrs. The conceptualization, production, critiquing, and effective utilization of film and video in planning library services and related activities.

489. **Library Practicum.** 1-4 hrs. arr. Supervised work in a library to provide the student with operational library experience.

491. **School Library-Media Administration Workshop.** 3 hrs. Intensive two-week workshop on problems of media center administration. May be taken twice.

492. **Special Problems in Librarianship.** 1-3 hrs. Individual investigation of topics to be approved by the dean.

MANAGEMENT (MGT—620)

360. **Fundamentals of Management.** 3 hrs. Introduction to planning, organizing, staffing, directing, and controlling production processes and human behavior in organizations, including the social, legal, and economic environments.

364. **Personnel Management.** 3 hrs. Emphasis on procuring, developing, maintaining, and utilizing an effective work force, within the current legal and social environment.

386. **Safety Management.** 3 hrs. A study of occupational accident prevention and current legislation regarding occupational health and safety.

454. **Human Relations.** 3 hrs. A study of individual and group interaction and behavior in organizations, including motivation, leadership and communication.

455. **Behavioral Issues in Organizations.** 3 hrs. An experiential study of organizational behavior with emphasis on development of leadership, communication, and motivational skills.

464. **Work Methods and Performance Standards.** 3 hrs. Prerequisite: ECO 301. Fundamentals of time study, job standards, and work methods improvement.

465. **Production and Operations Management.** 3 hrs. Prerequisite: ECO 301. Development of the I.M. functions of production planning and control, inventory control, quality control, and materials handling.

467. **Quantitative Methods in Management.** 3 hrs. Prerequisite: MAT 312. Development of the quantitative methods and techniques used in I.M.

468. **Compensation Administration.** 3 hrs. Prerequisite: MGT 360. Wage and salary administration including job analysis, incentive systems, wage survey, and fringe benefits.

472. **Labor Relations.** 3 hrs. An integrated study of current law, practice, and policy; cases and role playing.

476. **Managerial Systems Analysis.** 3 hrs. Management systems and procedures for improving managerial controls and reducing operating costs.

482. **Production Problems Seminar.** 3 hrs. Prerequisite: Background in industrial management. A case approach to such areas as selection and maintenance of equipment, product mix and quality, and production controls.

484. **Problems in Personnel Administration.** 3 hrs. Prerequisite: Background in personnel management. Case analysis, incidents, and role playing.

485. **Administrative Policy and Decision Making.** 3 hrs. Prerequisite: Completion of business core. A study of policies dealing with production, marketing, finance, and personnel. Case problems and a computer game are utilized.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing and consent of chairman. Directed research on approved topic of interest to the student.

496. **Small Business Counsulting.** 3 hrs. Prerequisite: Completion of business core and consent of instructor. Actual problem solving in business.

MARKETING (MKT—625)

300. **Principles of Marketing.** 3 hrs. An integrated managerial-systems approach to the study of the marketing function in organizations. Development of marketing concepts, institutions, functions, and policies are analyzed within the framework of the competitive, legal, economic, and social environment.

322. **Creative Marketing.** 3 hrs. Prerequisite: MKT 300. An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology, information processing strategies, and interpersonal behavior in task-oriented groups applied to marketing.

330. **Professional Selling.** 3 hrs. Prerequisite: MKT 300. An analysis of the ethics, functions, and techniques of professional selling using a behavioral and managerial approach.

342. **Principles of Retailing.** 3 hrs. The operation of retail stores including location, display, merchandise planning and control.

355. **Principles of Advertising.** 3 hrs. An introduction to the field of advertising including the background and social impact of today's advertising, media selection, copywriting, layout, visualization, and typography.

365. **Consumer Behavior.** 3 hrs. Prerequisite: MKT 300. Analysis of human behavior in the market place. Emphasis is placed on applying concepts from the social sciences to understanding consumer decision processes, buying patterns, and consumer research.

380. **Industrial Marketing.** 3 hrs. Prerequisite: MKT 300. Special problems involved in marketing materials, equipment, and supplies to manufacturers, and other business firms.

424. **Marketing Research.** 3 hrs. Prerequisite: MKT 300 and ECO 302. A study of the systems, methods, and procedures used in meeting the informational needs of managers in the marketing area for both quantitative and qualitative marketing data.

428. **Marketing Management.** 3 hrs. A comprehensive course designed to synthesize the more specialized marketing knowledge of the student, through the study of case histories.

430. **Sales Management.** 3 hrs. Prerequisites: MKT 300 and MKT 330. A study of the methods and procedures involved in selection, training, organization, compensation, supervision, and evaluation of the sales force, using the modified case method of instruction.

442. **Advanced Retailing.** 3 hrs. Prerequisite: MKT 300 and MKT 342. An examination of specific problem areas in retail innovations, spatial competition, and retail mix development.

455. **Advanced Advertising.** 3 hrs. Prerequisite: MKT 355. An application of the principles of advertising including areas in trademarks, packaging, research, campaigns, and direct advertising.

458. **Promotion Management.** 3 hrs. Prerequisite: MKT 355 or consent of instructor. A practical application and integration of the basic principles from the areas of advertising, personal selling, sales promotion, public relations, and publicity. A modified case approach is used in the course.

492. **Special Problems.** 1-3 hrs.

495. **International Marketing.** 3 hrs. Prerequisites: MKT 300 and MGT 360. The economic, political, and cultural aspects of international business operations.

MARRIAGE AND FAMILY LIFE (MFL—830)

150. **Social Competencies.** 2 hrs. A course designed to help the student develop competencies in social interation. (JC 1111 or 1121)

151. **Personal Development and Interpersonal Relationships.** 3 hrs. Identifying student interests and problems arising out of the college life.

351. **Marriage and Family Living.** 3 hrs. Prerequisite: Junior or senior standing. A course designed to give better understanding of the factors that contribute to success and happiness in marriage.

451. **Seminar in Marriage Adjustments.** 3 hrs. Broad areas of marriage adjustment with emphasis on needs and interests of the group.

452. **Parenthood.** 3 hrs. Prerequisite: MFL 351 or permission of instructor. Preparation for parenthood. Family planning, role analysis, and family interaction.

490. **Field Work in Family Living.** 9 hrs. Designed to provide supervised experiences in a career oriented area.

492. **Special Problem in Marriage and Family Living.** 1-4 hrs. Prerequisites: MFL 351 and consent of instructor.

MATHEMATICS (MAT—350)

101. **College Algebra.** 3 hrs. Polynomials, factoring, functions and graphs, linear and quadratic equations and inequalities. (JC 1313)

103. **Plane Trigonometry.** 3 hrs. Trigonometric functions and their inverses, trigonometric identities and equations, solutions of triangles, logarithms. (JC 1323)

111. **Mathematical Calculations.** 1 hr. Use of mini-calculators to obtain numerical results through the application of a variety of basic mathematical formulas.

112. **Applied Algebra for Problem Solving.** 3 hrs. Prerequisite: MAT 101. Sets, relations, functions, graphs, logarithms, sequences, interest, equations, matrices, inequalities, linear programming. (JC 1433)

120. **Mathematics for the Arts and Humanities.** 3 hrs. Basic mathematical concepts from logic, algebra, probability, statistics, computers, and modern applications.

The above courses are open only to freshmen. Other students desiring to take these courses must have approval from the chairman of the Mathematics Department.

131. **Algebra for Technology.** 3 hrs. Basic college algebra with applications to modern technology.

133. **Trigonometry for Technology.** 3 hrs. Prerequisite: MAT 131. Basic concepts from trigonometry with specific applications to modern technology.

199. **Developmental Mathematics.** 3 hrs. Fundamental operations with integers, rational numbers, and real numbers; set language, elementary algebra. (Will not satisfy core requirement.)

210. **Mathematics for Elementary Teachers I.** 3 hrs. Prerequisite: Acceptable score on the Mathematics Placement Test or CIE 100. The real number system and its major subsystems: natural numbers, integers, rational numbers. (Open only to elementary and special education majors.) (JC 1723)

236. **Introduction to Calculus in Technology.** 3 hrs. Prerequisite: MAT 133. Plane analytic geometry, differentiation and integration with applications to curvilinear motion, related rates, curve sketching and areas.

237. **Applications of Calculus in Technology.** 3 hrs. Prerequisite: MAT 236. Continuations of techniques of differentiation and integration. Areas, volumes, centroids, moments of inertia, and an introduction to first and second order differential equations.

276. **Calculus I with Analytic Geometry.** 3 hrs. Corequisite: MAT 103. Functions, limits, derivatives, application of the derivative, and selected topics from analytic geometry. (JC 1523, 1623, 1815, or 1823)

277. **Calculus II with Analytic Geometry.** 3 hrs. Prerequisite: MAT 276 or MAT 278. Definite and indefinite integrals, applications of the integral, transcendental functions, and selected topics from analytic geometry. (JC 1825, 1833, or 2223)

278. **Differential and Integral Calculus with Analytic Geometry I.** 5 hrs. Prerequisite: MAT 103. Functions, limits, derivatives and their applications, definite and indefinite integrals with applications, and selected topics from analytic geometry.

310. **Mathematics for Elementary Teachers II.** 3 hrs. Prerequisite: MAT 210. Basic concepts of algebra and informal geometry. (Open only to elementary and special education majors.)

312. **Applied Mathematics for Business Decision Making.** 3 hrs. Prerequisite: MAT 112. Elementary functions, differential and integral calculus with applications. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements.)

314. **Applied Mathematics for the Life Sciences.** 3 hrs. Prerequisite: MAT 103. An introduction to functions, graphs, sequences, series, continuity, differential and integral calculus, with applications to the life sciences.

320. **Introductory Probability and Mathematical Statistics.** 3 hrs. Prerequisite: MAT 276 or permission of instructor. Fundamental principles and techniques in probability and mathematical statistics.

326. **Linear Algebra I.** 3 hrs. Prerequisite: MAT 276. Vector spaces, systems of linear equations, linear transformations, matrices, inner products.

341. **Foundations of Mathematics.** 3 hrs. Prerequisite: Consent of instructor. Logic, set theory, relations, functions, cardinal numbers.

370. **Introductory Geometry.** 3 hrs. Introduction to elementary Euclidean geometry and formulas related to two and three-dimensional space.

377. **Differential and Integral Calculus with Analytic Geometry II.** 4 hrs. Prerequisite: MAT 277 or MAT 278. Transcendental functions, techniques of integration, infinite series, L'Hospital's rule, improper integrals, Taylor's formula, and selected topics from analytic geometry.

378. **Calculus III with Analytic Geometry.** 3 hrs. Prerequisite: MAT 277 or MAT 377. Techniques of integration, infinite series, l'Hospital's rule, improper integrals, Taylor's formula, and selected topics from analytical geometry.

379. **Multivariable Calculus.** 3 hrs. Prerequisite: MAT 377 or MAT 378. Differential calculus of several variables, directional derivatives, partial derivatives, the chain rule, extrema problems, double and triple integrals and their applications.

385. **Introduction to Differential Equations I.** 3 hrs. Prerequisite: MAT 378. Linear ordinary differential equations with applications; an introduction to power series solutions.

410. **Mathematics for Teachers of Junior High School Mathematics.** 3 hrs. Numbers and infinite sets, geometry, non-Euclidean geometry, coordinate geometry, trigonometry, functions, probability, statistics. (Open only to elementary and special education majors or as an elective for mathematics majors.)

411. **Vector Analysis.** 3 hrs. Prerequisite: MAT 379. Vector valued functions, space curves, line and surface integration, the divergence theorem, Green's and Stokes theorems.

415. **Introduction to Differential Equations II.** 3 hrs. Prerequisite: MAT 385. Systems of linear differential equations, operator methods, approximating solutions, LaPlace transforms.

417. **Introduction to Partial Differential Equations.** 3 hrs. Prerequisite: MAT 385. Intergrability conditions, quasilinear equations, applications of physics, classification of second order equations and canonical forms, separation of variables.

418. **Linear Programming.** 3 hrs. Prerequisite: MAT 326. Convex sets, linear inequalities, extreme-point solutions, complex procedure, applications.

419. **Optimization in Mathematical Programming.** 3 hrs. Prerequisites: MAT 326 and MAT 379. Selected topics in optimization from linear and nonlinear programming.

420. **Statistics and Probability.** 3 hrs. Prerequisites: MAT 341 and MAT 379. Random variables, probability functions, independent events, conditional probability, expectation, hypothesis testing.

421. **Number Theory.** 3 hrs. Prerequisite: MAT 341. Induction, well-ordering, division algorithm, Euclidean algorithm, Fundamental Theorem of arithmetic, number theoretic functions, congruences.

423. **Modern Algebra I.** 3 hrs. Prerequisite: MAT 341. Survey of standard algebraic systems: rings, integral domains, fields, modules, polynomial rings, fields of quotients.

424. **Modern Algebra II.** 3 hrs. Prerequisite: MAT 423. Elementary notions in groups, Fundamental Theorem of Finitely Generated Groups, permutation groups, quotient groups, the isomorphism theorems, applications of transformation groups.

425. **Fourier Series.** 3 hrs. Prerequisites: MAT 326 and MAT 385. Orthogonal functions, Fourier series, convergence and applications.

426. **Linear Algebra II.** 3 hrs. Prerequisite: MAT 326. Determinants, polynomals complex numbers, single linear transformations, orthogonal, unitary and symmetric linear transformations.

430. **Introduction to Applied Mathematics.** 3 hrs. Prerequisites: MAT 326, MAT 385, CSS 240. Applications of ordinary and partial differential equations to dynamical and electrical systems, heat transfer and diffusion problems.

435. **Laplace Transform.** 3 hrs. Corequisite: MAT 385. Transforms, inverse transforms, convolution theorem, differentiation and integration of transforms, applications to differential equations.

436. **Theory of Functions of Complex Variable I.** 3 hrs. Prerequisite: MAT 379. Complex numbers and functions, limits, continuity, differentiation, analytic function, branches, contour integration, series.

437. **Graph Theory.** 3 hrs. Prerequisite: MAT 341. An introduction to graphs and a sampling of their numerous and diverse applications.

439. **Combinatorics.** 3 hrs. Prerequisites: MAT 326, 341, and either 377 or 378. Counting and enumeration techniques, inversion formulas and their applications, and counting schemata relative to permutations of objects.

441. **Advanced Calculus I.** 3 hrs. Prerequisites: MAT 379 and MAT 341. Point set theory, sequences, continuity, uniform continuity, limits, mean value theorems, L'Hospital's rule.

442. **Advanced Calculus II.** 3 hrs. Prerequisite: MAT 441. Riemann integration, Taylor's theorem, improper integrals, infinite series, uniform convergence.

460. **Numerical Analysis I.** 3 hrs. Prerequisites: MAT 326, MAT 379, CSS 240. Methods of solving equations and systems of equations, error analysis, difference equations.

461. **Numerical Analysis II.** 3 hrs. Prerequisites: MAT 385, MAT 460, CSS 340. Interpolating polynomial, numerical differentiation and integration, numerical solutions of differential equations, round off error.

473. **Metric Spaces.** 3 hrs. Prerequisite: MAT 341. Continuity, Hausdorff and countability axioms, products, Euclidean spaces, connectedness, compactness, Heine-Borel and Bolzano-Weirstrass theorems.

475. **General Topology I.** 3 hrs. Prerequisites: MAT 341 and MAT 378. General topological spaces, bases and subbases, continuity.

476. **General Topology II.** 3 hrs. Prerequisite: MAT 475. Connectedness, separation, axioms, countability axioms, compactness, metrizability.

492. **Special Problems I, II.** 1-3 hrs. Prerequisite: Approval of department chairman.

494. **Undergraduate Mathematics Seminars I, II.** 1 hr. Prerequisite: Consent of instructor. Topics of current interest.

MECHANICAL TECHNOLOGY (MET—397)

320. **Enviromental Controls.** 3 hrs. Prerequisites: PHY 332, MET 323. Theory and practice of environmental control within closed spaces.

321. **Tools and Fixture Design.** 3 hrs. Prerequisite: INT 250. Design and fabrication of production tools, jigs, gages, etc., with emphasis on dimensional control.

322. **Mechanical Power Transmission.** 3 hrs. Prerequisites: ACT 241, MAT 236. Fundamentals of dynamics; dinetics, periodic motion, and energy methods.

323. **Fluid Mechanics.** 3 hrs. Prerequisite: ACT 342. Fluid statics and applications of fluid dynamics principles to the analysis and design of fluid systems.

330. **Air Conditioning Design I.** 3 hrs. Basic A/C principles and concepts as applied to residential and small commerical systems.

331. **Air Conditioning Design II.** 3 hrs. Prerequisite: MET 330. Basic A/C principles and concepts as applied to large commercial systems.

332. **Air Conditioning Design III.** 3 hrs. Prerequisite: MET 331. An advanced course in air conditioning systems design.

361. **Kinematics.** 3 hrs. Prerequisites: ACT 342, INT 250. Graphical and analytical analysis of mechanisms.

362. **Machine Design.** 3 hrs. Prerequisite: MET 361. Design and selection of mechanical elements used in machines.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser. Individual or group study in an area not covered by available courses.

400. **Senior Project.** 3 hrs. Prerequisite: Senior standing; approval of faculty adviser. Student required to complete a project in his area of specialization.

401. **Senior Project.** 3 hrs. Continuation of MET 400.

410. **Production Materials.** 3 hrs. Prerequisites: PSC 330, ACT 342. Study of properties of mateirals for cutting, drilling, forming, and heat treating operations.

411. **Industrial Testing.** 3 hrs. Prerequisite: ACT 342. Destructive and nondestructive testing of materials and structures.

441. **Mechanical Energy Systems.** 3 hrs. Prerequisite: PHY 332. Applications of thermodynamics to power producing devices.

444. **Solar Heating and Cooling.** 3 hrs. Solar Energy conversion methods; collectors; residential, commerical heating and cooling, economics of solar energy. Total energy systems.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser. Supervised study in area not covered by available courses.

MEDICAL TECHNOLOGY (MTC—354)

101. **Introduction to Medical Technology.** 1 hr. An introduction for incoming students to the aims, objectives, and requirements for a career in medical technology.

302. **Clinical Bacteriology I.** 2 hrs. Prerequisites: MIC 101 and MIC 411 or permission of instructor. Evaluation of clinical specimens with regard to pathogenic microorganisms.

302-L. **Clinical Bacteriology I Laboratory.** 2 hrs.

306. **Fundamentals of Hematology.** 2 hrs. Prerequisite: Permission of instructor. An introduction to the study of blood and blood forming organs.

306-L. **Fundamentals of Hematology Laboratory.** 2 hrs.

309. **Clinical Chemistry I.** 2 hrs. Prerequisites: Medical Technology majors or permission of instructor. An introduction to the basic principles of clinical chemistry.

309-L. **Clinical Chemistry I Laboratory.** 2 hrs.

400. **Orientation and Ethics.** 1 hr. To acquaint the student with professional ethics pertaining to the laboratory as well as his role in the field of health services.

401. **Urinalysis.** 2 hrs. Analysis of the physical, chemical, and microscopic examination of urine with emphasis on understanding the kidney function in diseases.

402. **Clinical Bacteriology II.** 5 hrs. Laboratory methods of isolation, identification, and other testing of pathogenic bacteria in the relation of disease.

403. **Clinical Mycology.** 1 hr. The study of pathogenic fungi. Emphasis is placed on laboratory methods of isolation and identification.

404. **Clinical Virology.** 1 hr. The study of pathogenic viruses. Emphasis is placed on laboratory methods of isolation and identification of these agents of disease.

405. **Clinical Parasitology I.** 2 hrs. A lecture and laboratory course on the classification and identification of parasites of pathologic importance to man.

406. **Hematology I.** 5 hrs. The study of blood cells and their abnormalities with emphasis on procedures of laboratory examination.

407. **Clinical Serology I.** 2 hrs. An introduction to serologic testing, theory, and practical experience involving antigen-antibody reactions in relation to disease in man.

408. **Blood Bank I.** 4 hrs. The theory and techniques of processing blood for transfusion purposes.

409. **Clinical Chemistry II.** 8 hrs. The qualitative and quantiative chemical analysis of blood, urine, cerebrospinal fluid, and other body fluids.

410. **Clinical Isotope Methodology.** 1 hr. An introduction to the handling and use of radioactive materials as they are used in the clinical laboratory.

411. **Cytogenetics.** 1 hr. Karotyping, dermatoglyphic patterns, and other techniques used in medical cytogenetics.

412. **Introduction to Pathology.** 2 hrs. Introduction to the physical and chemical alterations which take place in the human body in the diseased state.

451. **Blood Collection and Urinalysis.** 1 hr. Clinical education at one of the affiliated hospital laboratories.

452. **Clinical Microbiology.** 4 hrs. Clinical education at one of the affiliated hospital laboratories.

455. **Clinical Parasitology II.** 1 hr. Clinical education at one of the affiliated hospital laboratories.

456. **Hematology II.** 4 hrs. Clinical education at one of the affiliated hospital laboratories.

457. **Clinical Serology II.** 1 hr. Clinical education at one of the affiliated hospital laboratories.

458. **Blood Bank II.** 3 hrs. Clinical education at one of the affiliated hospital laboratories.

459. **Clinical Chemistry III.** 4 hrs. Clinical education at one of the affiliated hospital laboratories.

492. **Special Problems in Medical Technology I, II, III, IV.** 2-8 hrs. Assignment of a specific clinical problem in medical technology under faculty direction.

MICROBIOLOGY (MIC—310)

101. **Introduction to Microbiology.** 2 hrs. Introduction to basic characteristics of microorganisms. A prerequisite for all courses except MIC 261 and MIC 401.

101-L. **Introduction to Microbiology Laboratory.** 2 hrs. Corequisite for MIC 101.

261. **Microorganisms in Food.** 4 hrs. Microbiology of domestic and commercially prepared foods.

301. **Advanced General Microbiology.** 2 hrs. Current concepts in microbiology. Laboratory devoted to advanced techniques.

301-L. **Advanced General Microbiology Laboratory.** 2 hrs.

401. **Microorganisms in Health and Disease.** 4 hrs. A comprehensive survey of microorganisms of public health significance for nursing students.

411. **Pathogenic Microbiology.** 2 hrs. Schemes for isolation and identification of major groups of disease-producing microorganisms.

411-L. **Pathogenic Microbiology Laboratory.** 2 hrs.

412. **Advanced Pathogenic Microbiology.** 2 hrs. Continuation of MIC 411 on an advanced level.

412-L. **Advanced Pathogenic Microbiology Laboratory.** 2 hrs.

413. **Medical Mycology.** 2 hrs. Prerequisite: Permission of instructor. Consideration of the fungi of medical significance.

413-L. **Medical Mycology Laboratory.** 1 hr.

421. **Virology and Tissue Culture.** 2 hrs. Survey of viruses and viral classification, including viral diseases, involving tissue culture techniques.

421-L. **Virology and Tissue Culture Laboratory.** 2 hrs.

422. **Viral Pathogenesis and Diagnosis.** 2 hrs. Host-Viral interaction from a pathological and immunological viewpoint with isolation and laboratory characterization.

422-L. **Viral Pathogenesis and Diagnosis Laboratory.** 2 hrs.

441. **Immunology and Serology.** 2 hrs. A study of the cellular, chemical, and genetic mechanisms of the immune response.

441-L. **Immunology and Serology Laboratory.** 2 hrs. A laboratory introduction to cellular and serologic immune reactions and their diagnostic usefulness.

455. **Microbial Physiology.** 3 hrs. A comprehensive survey of bacterial structure, nutrition, and biochemistry.

455-L. **Microbial Physiology Laboratory.** 1 hr.

461. **Food Microbiology.** 2 hrs. Microorganisms affiliated with the preparation, spoilage, pathogenicity, and sanitation of foods.

461-L. **Food Microbiology Laboratory.** 2 hrs.

471. **Microbiology of Water, Sewage, and Industrial Waste.** 2 hrs. Control of pure water supply.

471-L. **Microbiology of Water, Sewage, and Industrial Waste Laboratory.** 2 hrs.

492. **Microbiological Problems I, II, III.** 2-6 hrs. Given only by special arrangement.

MILITARY SCIENCE (MS—276)

Basic Military Science

111. **The Eagle Challenge.** 2 hrs. Introduction to Military Science to include rappelling, marksmanship, orienteering and backpacking.

114. **Survival Skills.** 2 hrs. Introduction to "The Threat", the Soviet Military Posture, Cardio-Pulmonary Resuscitation (CPR), Canoeing and Wilderness Training.

117. **Marksmanship.** 1 hr. A study of the necessary techniques for becoming a skilled marksman.

211. **Land Navigation.** 2 hrs. An introductory course in the fundamentals of land navigation with an emphasis on geographical terrain features and the use of the compass.

214. **Introduction to Principles of Warfare.** 2 hrs. A study of the elementary principles of warfare and an introduction to leadership to include individual behavior and motivation.

Advanced Military Science

301. **Problems in Small Unit Leadership and Communications.** 4 hrs. A study of military communications and the functional approach to small unit leadership.

302. **Small Unit Tactics and Methods of Instruction.** 4 hrs. A study of military tactics and principles of instructions.

401. **Military Team I.** 4 hrs. A study of combat operations, staff procedures, logistical planning, and military justice.

402. **Military Team II.** 4 hrs. A study of the military aspects of world affairs, guerrilla warfare, administration, obligations, and responsibilities of an officer.

MUSIC (MUS—675)

100. **Introduction to Music Theory.** 3 hrs. An introductory course in the fundamentals of music theory. Open to all University students. Credit for this course may not be applied toward degrees in Music or Music Education.

101. **Music Theory.** 3 hrs. Prerequisite: MUS 100 or approval of instructor. Scales, intervals, and part-writing using triads, the dominant seventh chord, non-harmonic tones, modulation, dictation, and sight-singing. Concurrent registration in MUS 101-L required. (JC 1214)

101-L. **Music Theory Laboratory.** 0 hrs.

102. **Music Theory.** 3 hrs. Prerequisite: MUS 101. A continuation of MUS 101. Concurrent registration in MUS 102-L required. (JC 1224)

102-L. **Music Theory Laboratory.** 0 hrs.

131. **Introduction to Music Literature.** 2 hrs. A course dealing in listening skills, musical forms, styles, periods, and performing media. For majors in Music and Music Education only. (JC 1123, 2133, 2142, 2413, 2143, 2443, 2152, 2162)

201. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 102. Part-writing, including secondary seventh chords, borrowed chords, altered chords, foreign modulation, dictation, and sight-singing. Concurrent registration in MUS 201-L required. (JC 2214)

201-L. **Advanced Music Theory Laboratory.** 0 hrs.

202. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 201. A continuation of MUS 201. Concurrent registration in MUS 202-L required. (JC 2224)

202-L. **Advanced Music Theory Laboratory.** 0 hrs.

231. **History of Music.** 3 hrs. Prerequisites: MUS 131 and MUS 102. Music in Western civilization traced from its primitive sources to the present. (JC 2113, 2313)

232. **History of Music.** 3 hrs. Prerequisites: MUS 231, and MUS 102. A continuation of MUS 231. (JC 2123, 2323)

301. **Twentieth-Century Harmony.** 2 hrs. Prerequisites: MUS 202 and MUS 302. Investigation of the various styles and harmonic elements of 20th-Century music, coupled with practical applications.

302. **Form and Analysis.** 2 hrs. Prerequisite: MUS 202. Music of various periods is analyzed formally, harmonically, and contrapuntally.

311. **Composition.** 2 hrs. Prerequisites: MUS 301. Composition in the smaller forms. Contemporary and stylistic techniques. Steps in the preparation of music for publications are included.

321. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice writing in the style of Palestrina.

322. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice contrapuntal writing in the style of Bach.

351. **History of Church Music.** 3 hrs. History of Christian Church music, with emphasis on the use of literature.

360. **Stylistic Developments in Jazz.** 3 hrs. Study of the development of jazz idioms. Includes elements of jazz history leading to study of more complex idioms.

365. **The Enjoyment of Music.** 3 hrs. Study of the basic elements of music necessary for intelligent listening and appreciation. This course may not be applied toward a Bachelor of Music or Bachelor of Music Education degree, or a music minor.

367. **Improvisation.** 1 hr. Study and performance of jazz improvisation.

375. **Beginning Techniques of Scoring for Jazz Ensembles.** 2 hrs. Study in composing and arranging music for jazz ensembles.

376. **Intermediate Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 375.

401. **Instrumentation.** 3 hrs. Prerequisite: MUS 202. Study of the instruments of the band and orchestra. Scoring for instrumental ensembles.

431. **History of Opera.** 3 hrs. The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor.

432. **American Music.** 3 hrs. Study of the development of music in North America. Open to non-music majors with consent of instructor.

433. **20th-Century Music.** 3 hrs. Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

434. **Ancient, Medieval, and Renaissance Music.** 3 hrs. A study of music in the ancient world, and of Western music from early Christian times through the sixteenth century. Open to non-majors with consent of instructor.

435. **Baroque Music.** 3 hrs. The development of musical styles and forms from Monteverdi through J.S. Bach. Open to non-music majors with the consent of instructor.

436. **18th-Century Music.** 3 hrs. The development of classical styles and forms, emphasis on style gallant, Empfindsamer Stil, and the Viennese classicists. Open to non-music majors with consent of instructor.

437. **19th-Century Music.** 3 hrs. The development of musical romanticism, emphasis on the expression of classical forms and the appearance of new stylistic concepts. Open to non-music majors with consent of instructor.

439. **Diction.** 3 hrs. Introduction to phonetics of various foreign languages for singing. May be repeated once. Second registration permitted only when languages emphasized are different.

440. **Vocal Literature.** 2 hrs. Survey of solo vocal literature from the Renaissance to the present. Emphasis upon style, interpretation, and presentation of solo materials for all voice classifications.

441. **Vocal Literature.** 2 hrs. A continuation of MUS 440.

442. **Piano Literature.** 2 hrs. Required of all senior piano majors.

443. **Piano Literature.** 2 hrs. A continuation of MUS 442.

444. **Organ Literature.** 2 hrs. Required of all organ majors.

445. **Organ Literature.** 2 hrs. A continuation of MUS 444.

446. **Instrumental Literature.** 2 hrs. Required of all senior instrumental majors.

447. **Instrumental Literature.** 2 hrs. A continuation of MUS 446.

448. **Choral Literature.** 2 hrs. A survey of accompanied and unaccompanied choral music from Gregorian chant through Handel.

449. **Choral Literature.** 2 hrs. A continuation of MUS 448.

450. **Symphonic Literature.** 3 hrs. History and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

451. **Chamber Music Literature.** 3 hrs. A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

452. **Band Literature I.** 2 hrs. A survey of band literature, grades I through IV.

455. **Arranging for the Marching Band.** 2 hrs. Designed to provide the arranger with the essential techniques of scoring for the outdoor band.

456. **Choral Arranging.** 2 hrs. Basic concepts and techniques of scoring for voices, with emphasis on arranging rather than on original compositions for chorus.

459. **Church Music Colloquium.** 3 hrs. Philosophies of church music as well as administration, liturgies, and related materials will be studied.

462. **Hymnology.** 3 hrs. History of the Christian hymn from its roots to present-day form.

467. **Improvisation.** 1 hr. A continuation of MUS 367.

468. **Improvisation.** 1 hr. A continuation of MUS 467.

470. **Organization and Management of Jazz Ensembles.** 3 hrs. Studies in general management of commerical and academically-oriented jazz groups.

475. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 376.

476. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 475.

492. **Special Problems. 1-3 hrs. Prerequisite: Permission of department chairman.**

MUSIC—APPLIED AND ORGANIZATIONS (APM—670)

First Year

101-102. **Piano.** 1-3 hrs. (JC 1311, 1332, 1353; 1321, 1342, 1363; 1362, 1373)

111-112. **Organ.** 1-3 hrs. (JC 1611, 1631, 1633; 1621, 1642, 1643; 1653)

114-115. **Flute.** 1-3 hrs.

117-118. **Oboe.** 1-3 hrs.

120-121. **Clarinet.** 1-3 hrs.

123-124. **Saxophone.** 1-3 hrs.

126-127. **Bassoon.** 1-3 hrs.

129-130. **Horn** 1-3 hrs.

132-133. **Trumpet.** 1-3 hrs.

135-136. **Trombone.** 1-3 hrs.

138-139. **Euphonium.** 1-3 hrs.

141-142. **Tuba.** 1-3 hrs.

144-145. **Violin.** 1-3 hrs.

147-148. **Viola.** 1-3 hrs.

150-151. **Cello.** 1-3 hrs.

153-154. **String Bass.** 1-3 hrs.

156-157. **Percussion.** 1-3 hrs.

161-162. **Voice.** 1-3 hrs. (JC 1432, 1453; 1453, 1463, 1473)

164-165. **Harp.** 1-3 hrs.

167-168. **Guitar.** 1-3 hrs.

171-172. **Chamber Music.** 1 hr.

181. **Orchestra.** 1 hr. (May be taken two times)

182. **Band.** 1 hr. (May be taken two times) (JC 1711, 1721)

183. **Chorus.** 1 hr. (May be taken two times) (JC 1811, 1821)

184. **Jazz Lab Band.** 1 hr. (May be taken two times)

185. **Collegium Musicum.** 1 hr. (May be taken two times)

185. **Women's Chorus.** 1 hr. (May be taken two times)

187. **Men's Chorus.** 1 hr. (May be taken two times)

188. **University Singers.** 1 hr. (May be taken two times)

189. **Chamber Singers.** 1 hr. (May be taken two times)

191-192. **Composition.** 1 hr.

199. **Recital Class.** 0 hrs. (Two semesters)

Second Year

201-202. **Piano.** 1-3 hrs. (JC 2311, 2331, 2352, 2353; 2321, 2341, 2362, 2363; 2373)

211-212. **Organ.** 1-3 hrs. (JC 2611, 2632, 2633; 2621, 2642, 2653)

214-215. **Flute.** 1-3 hrs.

217-218. **Oboe.** 1-3 hrs.

220-221. **Clarinet.** 1-3 hrs.

223-224. **Saxophone.** 1-3 hrs.

226-227. **Bassoon.** 1-3 hrs.

229-230. **Horn.** 1-3 hrs.

232-233. **Trumpet.** 1-3 hrs.

235-236. **Trombone.** 1-3 hrs.

238-239. **Euphonium.** 1-3 hrs.

241-242. **Tuba.** 1-3 hrs.

244-245. **Violin.** 1-3 hrs.

247-248. **Viola.** 1-3 hrs.

250-251. **Cello.** 1-3 hrs.

253-254. **String Bass.** 1-3 hrs.

256-257. **Percussion.** 1-3 hrs.

261-262. **Voice.** 1-3 hrs. (JC 2411; 2432, 2453; 2413, 2442, 2463; 2473

264-265. **Harp.** 1-3 hrs.

267-268. **Guitar.** 1-3 hrs.

271-272. **Chamber Music.** 1 hr.

281. **Orchestra.** 1 hr. (May be taken two times)

282. **Band.** 1 hr. (May be taken two times) (JC 2711, 2721)

283. **Chorus.** 1 hr. (May be taken two times) (JC 2811, 2821)

284. **Jazz Lab Band.** 1 hr. (May be taken two times)

285. **Collegium Musicum.** 1 hr. (May be taken two times)

286. **Women's Chorus.** 1 hr. (May be taken two times)

287. **Men's Chorus.** 1 hr. (May be taken two times)

288. **University Singers.** 1 hr. (May be taken two times)

289. **Chamber Singers.** 1 hr. (May be taken two times)

291-292. **Composition.** 1 hr.

299. **Recital Class.** 0 hrs. (Two semesters)

Third Year

301-302. **Piano.** 1-3 hrs.

311-312. **Organ.** 1-3 hrs.

314-315. **Flute.** 1-3 hrs.

317-318. **Oboe.** 1-3 hrs.

320-321. **Clarinet.** 1-3 hrs.

323-324. **Saxophone.** 1-3 hrs.

326-327. **Bassoon.** 1-3 hrs.

329-330. **Horn.** 1-3 hrs.

332-333. **Trumpet.** 1-3 hrs.

335-336. **Trombone.** 1-3 hrs.

338-339. **Euphonium.** 1-3 hrs.

341-342. **Tuba.** 1-3 hrs.

344-345. **Violin.** 1-3 hrs.

347-348. **Viola.** 1-3 hrs.

350-351. **Cello.** 1-3 hrs.

353-354. **String Bass.** 1-3 hrs.

356-357. **Percussion.** 1-3 hrs.

361-362. **Voice.** 1-3 hrs.

364-365. **Harp.** 1-3 hrs.

367-368. **Guitar.** 1-3 hrs.

370. **Recital.** 0-1 hr.

371-372. **Chamber Music.** 1 hr.

375-376. **Accompanying.** 1 hr.

381. **Orchestra.** 1 hr. (May be taken two times)

382. **Band.** 1 hr. (May be taken two times)

383. **Chorus.** 1 hr. (May be taken two times)

384. **Jazz Lab Band.** 1 hr. (May be taken two times)

385. **Collegium Musicum.** 1 hr. (May be taken two times)

386. **Women's Chorus.** 1 hr. (May be taken two times)

387. **Men's Chorus.** 1 hr. (May be taken two times)

388. **University Singers.** 1 hr. (May be taken two times)

389. **Chamber Singers.** 1 hr. (May be taken two times)

391-392. **Composition.** 1-3 hrs.

399. **Recital Class.** 0 hrs. (Two semesters)

Fourth Year

401-402. **Piano.** 1-3 hrs.

411-412. **Organ.** 1-3 hrs.

414-415. **Flute.** 1-3 hrs.

417-418. **Oboe.** 1-3 hrs.

420-421. **Clarinet.** 1-3 hrs.

423-424. **Saxophone.** 1-3 hrs.

426-427. **Bassoon.** 1-3 hrs.

429-430. **Horn.** 1-3 hrs.

432-433. **Trumpet.** 1-3 hrs.

435-436. **Trombone.** 1-3 hrs.

438-439. **Euphonium.** 1-3 hrs.

441-442. **Tuba.** 1-3 hrs.

444-445. **Violin.** 1-3 hrs.

447-448. **Viola.** 1-3 hrs.

450-451. **Cello.** 1-3 hrs.

453-454. **String Bass.** 1-3 hrs.

456-457. **Percussion.** 1-3 hrs.

461-462. **Voice.** 1-3 hrs.

464-465. **Harp.** 1-3 hrs.

467-468. **Guitar.** 1-3 hrs.

470. **Recital.** 1-2 hrs.

471-472. **Chamber Music.** 1 hr.

475-476. **Accompanying.** 1 hr.

481. **Orchestra.** 1 hr. (May be taken two times)

482. **Band.** 1 hr. (May be taken two times)

483. **Chorus.** 1 hr. (May be taken two times)

484. **Jazz Lab Band.** 1 hr. (May be taken two times)

485. **Collegium Musicum.** 1 hr. (May be taken two times)

486. **Women's Chorus.** 1 hr. (May be taken two times)

487. **Men's Chorus.** 1 hr. (May be taken two times)

488. **University Singers.** 1 hr. (May be taken two times)

489. **Chamber Singers.** 1 hr. (May be taken two times)

491-492. **Composition.** 1-3 hrs.

499. **Recital Class.** 0 hrs. (Two semesters)

MUSIC EDUCATION (MED 680)

101. **Class Piano I.** 2 hrs. Beginning class instruction in piano.

102. **Class Piano II.** 2 hrs. Prerequisite: MED 101 or permission of instructor. Intermediate class instruction in piano.

219. **Guitar Class I.** 1 hr. Class instruction in guitar for beginners.

220. **Guitar Class II.** 1 hr. Prerequisite: MED 219 or approval of instructor. Intermediate class instruction in guitar.

221. **String Class.** 1 hr. Practical class instruction on all strings. Problems of beginning students; material for public school classes.

222. **String Class.** 1 hr. A continuation of MED 221.

301. **Voice Class.** 2 hrs. Designed to give the instrumental major a general knowledge of vocal and choral techniques.

311. **Elementary Music Methods.** 3 hrs. Music education programs for the elementary student. Emphasis is placed on the total curriculum.

312. **Secondary Music Methods.** 3 hrs. Prerequisite: MED 311. Consideration of the secondary music program. Special attention is given to the development of a balanced curriculum.

321. **String Methods.** 1 hr. Instruction on all strings for students not following the curriculum in instrumental music education.

322. **Woodwind Methods.** 1 hr. Instruction on clarinet, flute, oboe, and bassoon for students not following the curriculum in instrumental music education.

323. **Brass Methods.** 1 hr. Instruction on all brasses for students not following the curriculum in instrumental music education.

331. **Conducting.** 1 hr. Prerequisites: MUS 202, or consent of instructor. Techniques of choral and instrumental conducting.

332. **Conducting.** 2 hrs. A continuation of MED 331.

361. **Music for Elementary Teachers I.** 3 hrs. Designed to provide students with a basic knowledge of notation, singing, and the use of the autoharp and piano. Credit for this course may not be applied toward degrees in Music or Music Education.

382. **Recreational Music.** 3 hrs. Prerequisite: MED 361 or consent of instructor. Materials and techniques useful in developing recreational music programs.

390. **Piano Workshop.** 2 hrs. Designed to meet the needs of the piano teacher, including a survey of materials and modern teaching methods. Credit for this course may not be applied toward degrees in Music and Music Education.

391. **Instrumental Workshop.** 2 hrs. Survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion. Credit for this course may not be applied toward degrees in Music and Music Education.

392. **Choral Workshop.** 2 hrs. Examination, study, and analysis of choral techniques and procedures. Credit for this course may not be applied toward degrees in Music and Music Education.

393. **Elementary Music Workshop.** 2 hrs. Intensive examination of current problems, trends, and materials in elementary music education. Credit for this course may not be applied toward degrees in Music and Music Education.

395. **Instrumental Conductors Conference.** 2 hrs. Survey and analysis of problems relating to instrumental music. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

396. **Choral Conductors Conference.** 2 hrs. Survey and analysis of choral techniques. Credit for this course may not be applied toward degrees in Music and Music Education.

411. **Choral Methods and Curriculum Problems.** 3 hrs. Organization and administration of choral activities in secondary schools.

412. **Instrumental Methods and Curriculum Problems.** 3 hrs. Techniques of developing successful marching/concert bands and orchestras. Emphasis on current trends in music education.

421. **Woodwind Class.** 1 hr. Study of basic techniques in the pedagogy of all major woodwind instruments.

422. **Woodwind Class.** 1 hr. A continuation of MED 421.

423. **Organ Construction and Design.** 3 hrs. Study of basic elements of organ building and registration.

424. **Instrument Repair.** 3 hrs. Practical experience in preventive maintainance and minor repair and adjustment of string, woodwind, brass, and percussion instruments.

425. **Brass Class.** 1 hr. Study of basic techniques in the pedagogy of all brass instruments.

426. **Brass Class.** 1 hr. A continuation of MED 425.

427. **Percussion Class.** 1 hr. Review of percussion texts, techniques, and pedagogy. Percussion majors may substitute a brass, string, or woodwind minor instrument for MED 427.

428. **Percussion Class.** 1 hr. A continuation of MED 427.

429. **Piano Tuning and Repair.** 3 hrs. Prerequisite: Approval of instructor. Study of basic technique of tuning and repairing pianos.

439. **Vocal Techniques and Materials.** 3 hrs. Techniques and procedures for teaching correct vocal production habits; examination of choral literature for secondary and collegiate groups.

440. **Music Education in the Elementary Schools.** 3 hrs. Prerequisites: MED 311, 312. An in-depth course which examines current techniques and methods of music programs in upper and lower elementary grades.

450. **Vocal Pedogogy.** 2 hrs. Techniques, practices, and materials used in teaching voice; practical experience in teaching voice.

451. **Vocal Pedagogy.** 2 hrs. Prerequisite: MED 450. A continuation of MED 450.

452. **Piano Pedagogy.** 2 hrs. Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults. Required of all senior piano majors.

453. **Piano Pedagogy.** 2 hrs. A continuation of MED 452.

454. **Organ Pedagogy.** 2 hrs. Required of all senior organ majors.

455. **Organ Pedagogy.** 2 hrs. A continuation of MED 454.

456. **String Pedagogy.** 2 hrs. Requried of all senior string majors.

457. **String Pedagogy.** 2 hrs. A continuation of MED 456.

458. **Wind Pedagogy.** 2 hrs. Required of all senior wind majors.

459. **Wind Pedagogy.** 2 hrs. A continuation of MED 458.

462. **Music for Elementary Teachers II.** 3 hrs. Prerequisite: MED 361. Application of the fundamental skills of MED 361 in the selection of music materials and methods of presentation. Credit for this course may not be applied toward degrees in Music and Music Education.

490. **Piano Workshop.** 2 hrs. A continuation of MED 390. Credit for this course may not be applied toward degrees in Music and Music Education.

491. **Instrumental Workshop.** 2 hrs. A continuation of MED 391. Credit for this course may not be applied toward degrees in Music and Music Education.

492. **Choral Workshop.** 2 hrs. A continuation of MED 392. Credit for this course may not be applied toward degrees in Music and Music Education.

493. **Elementary Music Workshop.** 2 hrs. A continuation of MED 393. Credit for this course may not be applied toward degrees in Music or Music Education.

495. **Instrumental Conductors Conference.** 2 hrs. Survey and analysis of problems relating to instrumental music. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

496. **Choral Conductors Conference.** 2 hrs. Survey and analysis of choral techniques. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

NURSING (NSG—070)

NOTE: Students will be guided by their nursing adviser in the sequence of courses and their prerequisites.

101. **Introduction to the Health Professions.** 1 hr. An introduction to the members of the health professions and allied groups.

111. **Requirements for Nursing Practice.** 1 hr. An examination of the educational, legal, ethical, and moral requirements for the practice of nursing.

201. **A Current and Historical Perspective of Nursing.** 1 hr. An overview of roles assumed by nurses in the past, roles currently assumed by nurses, and future trends.

211-L. **Basic Nursing Technologies.** 1 hr. Simulated situations serve as the basis for teaching selected technical skills utilized in the practice of nursing.

304. **Nursing to Promote Health in the Life Cycle.** 4 hrs. An integration of sciences into nursing where the health focus is on the life cycle. Major content areas will be promotion of health and protection against disease and injury.

314-L. **Practicum: Nursing to Promote Health in the Life Cycle.** 4 hrs. The application of self-care practices and technologies in a clinical setting utilizing the nursing process.

324. **Nursing in the Treatment and Recovery of Disease.** 4 hrs. The development of nursing agency to assist during the processes of active treatment of, and recovery from a disease disorder of determined origin.

334-L. **Practicum: Nursing in the Treatment and Recovery of Disease.** 4 hrs. The application of nursing agency with individuals who are experiencing active treatment or recovery of disease of determined origin.

344. **Health Deviations.** 4 hrs. An analysis of altered body physiology in health deviations.

351. **Introduction to Pharmacology for Nursing.** 1 hr. An overview of the parameters of pharmacology and the pharmacodynamics of various drugs.

404. **Nursing in Illness of Undetermined and Developmental Origin.** 4 hrs. The development of nursing agency to assist individuals with illness of an undetermined origin, of a developmental nature, or with biological immaturity.

414-L. **Practicum: Nursing in Illness of Undetermined and Developmental Origin.** 4 hrs. The application of nursing agency with individuals who are experiencing an illness of undetermined origin, of a developmental nature, or with biologic immaturity.

424. **Nursing to Promote Restoration, Stabilization, or Control of Integrated Functioning.** 4 hrs. The adaptation of nursing agency to assist individuals and families manifesting needs for restoration, stabilization, or control of integrated functioning.

434-L. **Practicum: Nursing to Promote Restoration, Stabilization, or Control of Integrated Functioning.** 4 hrs. The application of nursing agency to assist individuals in the restoration, stabilization, or control of integrated functioning.

444. **Professional Dimensions of Nursing I.** 4 hrs. An in-depth focus on the professional components of nursing.

451. **Nursing Leadership and Management.** 3 hrs. Elective. Designed to enrich the student's knowledge of nursing leadership and management within the framework of health care facilities.

452. **Teaching in Nursing.** 3 hrs. Elective. Basic principles of learning and teaching as applied to nursing.

454. **Professional Dimensions of Nursing II.** 2 hrs. A continuation of professional dimensions of Nursing I, with an expanded focus on the professional components of nursing.

462-L. **Enhancement of Individual Nursing Agency.** 2 hrs. Development of nursing agency in an area of clinical interest of the student's choice.

492. **Directed Study of Nursing.** 1-6 hrs. On approval of department chairman.

PHILOSOPHY (PHI—284)

HUM 316. **Impact of Science on History.** May also be offered for credit as a philosophy course.

HUM 380. **History of Philosophy.** May also be offered for credit as a philosophy course.

151. **Introduction to Philosophy.** 3 hrs. An introduction to the methods and major themes of philosophy. (JC 2113, 2123)

253. **Logic.** 3 hrs. An introduction to induction, deduction, fallacies, scientific method, and symbolic logic. (JC 2713)

310. **Classical Philosophy.** 3 hrs. An outline survey of Greek philosophical thought.

312. **Modern Philosophy.** 3 hrs. Survey of 17th and 18th century European philosophy.

352. **Oriental Philosophy.** 3 hrs. A survey of the philosophical thought of India and the Far East.

353. **Study of a Major Philosopher.** 3 hrs. May be repeated for credit to a total of nine hours. A detailed examination of a selected philosopher.

354. **Theories of Knowledge.** 3 hrs. An examination of classical and contemporary theories in epistemology.

356. **Ethics.** 3 hrs. An examination of classical and contemporary moral theory.

372. **Philosophy of Religion.** 3 hrs. An examination of classical problems in philosophical theology.

406. **Philosophy of Man.** 3 hrs. Philosophical consideration of the nature of man including topics in philosophical anthropology and philosophy of mind.

415. **Philosophy for Teachers of Children.** 3 hrs. Survey and development of the materials and skills to teach children philosophically.

420. **Metaphysics.** 3 hrs. Analysis of classical and contemporary problems in metaphysics.

426. **Philosophy Summer Lectures in England.** 3-6 hrs. An introduction to the language and techniques of philosophy relevant to practical, critical problems.

436. **Aesthetics.** 3 hrs. Philosophical analysis of theories of art and beauty.

440. **American Philosophy.** 3 hrs. Survey of the development of philosophy in America and major American philosophers.

450. **Existentialism and Phenomenology.** 3 hrs. An examination of the central themes in contemporary European existentialism and phenomenology.

451. **Political Philosophy.** 3 hrs. The major schools of political philosophy from classical to contemporary times.

452. **Philosophy of Health Care.** 3 hrs. An examination of various conceptual and ethical issues in the health care professions.

453. **Philosophy of Law.** 3 hrs. An inquiry into theories of law.

456. **Philosophy of Science.** 3 hrs. Examination of the foundations of science and scientific explanation.

458. **Symbolic Logic.** 3 hrs. The basic theory and operations of the propositional calculus, quantification, and the logic of relations.

460. **Analytic Philosophy.** 3 hrs. An examination of the central themes in contemporary British-American analytic philosophy.

492. **Special Problems.** 3 hrs. A problem study to be approved by the department chairman.

PHYSICAL EDUCATION (PED—730)

100. **Aerobics.** 1 hr.

118. **Team Sports.** 1 hr.

119. **Beginning Volleyball.** 1 hr.

130. **Four Wall Sports.** 1 hr.

131. **Fencing.** 1 hr.

132. **Beginning Badminton.** 1 hr.

133. **Beginning Archery.** 1 hr.

134. **Beginning Golf.** 1 hr.

135. **Beginning Yoga.** 1 hr.

140. **Bicycling.** 1 hr.

141. **Beginning Tennis.** 1 hr.

142. **Snow Skiing.** 1 hr.

143. **Roller Dance Skating.** 1 hr.

146. **Developmental Skills.** 1 hr. PED majors or minors only.

147. **Developmental Skills.** 1 hr. PED majors or minors only.

148. **Developmental Skills.** 1 hr. PED majors or minors only.

150. **Tumbling, Beam, and Floor Exercises.** 1 hr.

151. **Tumbling, Uneven Parallel Bars and Vaulting.** 1 hr.

152. **Men's Beginning Gymnastics Apparatus.** 1 hr.

153. **Beginning Trampoline.** 1 hr.

160. **Beginning Swimming.** 1 hr.

163. **Aquatic Sports.** 1 hr.

170. **Sport Judo.** 1 hr.

181. **Beginning Social Dance.** 1 hr.

184. **Beginning Square Dance.** 1 hr.

218. **Officiating Techniques in Women's Sports.** 3 hrs.

220. **Introduction to Health and Physical Education.** 3 hrs. Survey of the areas of health and physical education.

250. **Women's Intermediate Gymnastics Apparatus,** 1 hr.

284. **Creative Rhythms.** 3 hrs.

301. **Kinesiology.** 3 hrs. Analysis of movement in body mechanics.

303. **Evaluation in Health and Physical Education.** 3 hrs. Administration and interpretation of tests in health, physical fitness, and skills.

310. **Special Topics Seminar.** 1 hr.

314. **Instructional Techniques in Team Sports.** 3 hrs.

320. **Preschool and Primary School Physical Education.** 3 hrs. An introduction to philosophy, objectives, methods, and curriculum content.

321. **Elementary and Middle School Physical Education.** 3 hrs. Philosophy, objectives, methods, and curriculum.

323. **Efficiency of Human Movement.** 3 hrs. A study of the mechanical principles affecting human movement.

326. **Instructional Techniques in Individual and Dual Sports.** 3 hrs.

334. **Golf.** 1 hr.

341. **Tennis.** 1 hr.

360. **Theory of Teaching Swimming and Diving.** 2 hrs. Organization and administration of the community swimming program.

361. **Swimming for the Disabled.** 1 hr. The development of techniques and activities in teaching the disabled to swim.

370. **Advanced Sport Judo.** 1 hr.

380. **Creative Rhythms for the Disabled.** 1 hr. The development of techniques and activities used in teaching rhythms and dance to the disabled.

401. **Corrective, Adaptive, and Developmental Physical Education.** 3 hrs. Recognition of, and corrective exercises for, functional abnormalities.

402. **Physiology of Exercise.** 3 hrs. Prerequisite: HSE 315. A study of the physiological changes which occur in the body during muscular activity.

403. **Fundamental Motor Patterns.** 3 hrs. An analysis of the fundamental motor patterns developed during early childhood.

404. **Motor Development.** 3 hrs. A study of the motor aspects of the total human growth and development process.

410. **Physical Education and Recreation for the Educationally Disabled and Other Disorders.** 3 hrs. The development of concepts and knowledge of physical education programs for LD, MR, and ED.

411. **Physical Education and Recreation for the Crippled and Other Health Impaired.** 3 hrs. The development of concepts and knowledge for programs for CP, PH individuals.

412. **Sports Programs for the Disabled.** 3 hrs. Competitive sports programming and special techniques for preparing disabled individuals for participation.

415. **Motor Development Project.** 3 hrs.

420. **Practicum in Physical Education.** 1-6 hrs. arr. May be repeated for a total of six hours. Experiences in the various phases of the physical education program.

424. **Seminar in Elementary Physical Education.** 3 hrs. Prerequisites: PED 320 or 321.

426. **Organization and Administration of Health and Physical Education.** 3 hrs.

450. **Movement Experiences for Young Children.** 2 hrs.

451. **Techniques of Teaching Stunts, Tumbling, and Use of Apparatus.** 3 hrs.

490. **Physical Education and Recreation for the Handicapped.** 3 hrs.

PHYSICS (PHY—360)

101. **General Physics.** 3 hrs. A traditional course in physics intended for liberal arts and pre-medical students. (JC 2313, 2414)

101-L. **General Physics Laboratory.** 1 hr.

102. **General Physics.** 3 hrs. Prerequisite: PHY 101. A continuation of PHY 101. (JC 2323, 2424)

102-L. **General Physics Laboratory.** 1 hr.

105. **Applied Physics.** 3 hrs. Prerequisite: MAT 101. Basic concepts of mechanics, heat, and sound applying to industry and research.

105-L. **Applied Physics Laboratory.** 1 hr.

106. **Applied Physics.** 3 hrs. Prerequisite: PHY 105. Basic concepts of light, electricity, and magnetism applying to industry and research.

106-L. **Applied Physics Laboratory.** 1 hr.

201. **General Physics with Calculus.** 4 hrs. Corequisite: MAT 278. A rigorous course in physics recommended for physics majors. Required for engineering students. (JC 2514)

201-L. **General Physics with Calculus Laboratory.** 1 hr.

202. **General Physics with Calculus.** 4 hrs. Prerequisite: PHY 201. A continuation of PHY 201. (JC 2524)

202-L. **General Physics with Calculus Laboratory.** 1 hr.

327. **Electronics I.** 3 hrs. Prerequisite: PHY 102, 202, or 106. Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

327-L. **Electronics I Laboratory.** 1 hr.

328. **Electronics II.** 3 hrs. Prerequisite: PHY 327. A continuation of PHY 327.

328-L. **Electronics II Laboratory.** 1 hr.

331. **Thermodynamics.** 3 hrs. Prerequisite: PHY 102, 106, or 202. Temperature, thermodynamic systems, laws of thermodynamics, entropy.

331-L. **Thermodynamics Laboratory.** 1 hr.

332. **Thermodynamics and Statistical Mechanics.** 3 hrs. Prerequisite: PHY 361.

341. **Optics.** 3 hrs. Prerequisite: Permission. Rays, refractive and reflective surfaces, len design, and the electromagnetic theory of light.

341-L. **Optics Laboratory.** 1 hr.

350. **Mechanics.** 3 hrs. Prerequisite: Permission. Mathematical treatment of the dynamics of particles and rigid bodies.

351. **Mechanics.** 3 hrs. Prerequisite: PHY 350. A continuation of PHY 350.

361. **Physics of the Atom.** 3 hrs. Prerequisite: PHY 102, 106, or 202. Survey of atomic particles, radiation, and x-rays. Optical Spectra.

361-L. **Physics of the Atom Laboratory.** 1 hr.

392. **Physics Special Problems.** 1-3 hrs. Prerequisite: Permission. Theoretical and experimental problems limited to junior and senior students.

421. **Electricity and Magnetism.** 3 hrs. Prerequisite: PHY 361. Vector analysis, electrostatistics, magnetostatics, and electromagnetic fields.

422. **Electricity and Magnetism.** 3 hrs. Prerequisite: PHY 421. A continuation of PHY 421.

423. **Electrical Measurements Laboratory.** 1 hr. Prerequisite: Permission.

435. **Principles of Microwave Systems.** 3 hrs. Prerequisite: Permission. Introduction to microwave theory, basic design of microwave systems.

444. **Acoustics and Hi-Fi.** 3 hrs. The study of all components comprising high-fidelity sound systems.

455. **Fluid Dynamics.** 3 hrs. Prerequisites: PHY 350 and MAT 405. A mathematical development of the physical principles governing fluid flow.

460. **Advanced Physics Laboratory.** 2 hrs. Prerequisite: Permission. Advanced experiments in modern physics.

461. **Modern Physics.** 3 hrs. Prerequisite: Permission. Relativity, quantum theory, spectroscopy, and atomic and nuclear structure.

462. **Modern Physics.** 3 hrs. Prerequisite: PHY 461. A continuation of PHY 461.

464. **Fundamentals of Solid State Physics.** 3 hrs. Prerequisite: Permission.

465. **Nuclear Physics.** 3 hrs. Prerequisite: Permission. Nuclear binding forces, chain reactions, and nuclear reactors.

485. **History and Literature of Physics.** 3 hrs. Prerequisite: PHY 102, 106, or 202. A survey of physics from the ancients to the present.

499. **Undergraduate Research.** 1-6 hrs. Prerequisite: Permission. An introduction to the methods of physical research.

POLITICAL SCIENCE (PS—280)

101. **American Government.** 3 hrs. (JC 1113)

220. **Introduction to Political Science.** 3 hrs. A survey of the general field of study of political science to prepare students for subsequent study in a specific subject and field. (JC 2213)

301. **State and Local Politics.** 3 hrs.

302. **Current Problems in Government.** 3 hrs. A study of current problems before the national, state, and local governments at the time the course is taught.

303. **American Political Movements.** 3 hrs. A study of Afro-American, Old and New Left, Radical Right, Counter-Culture, and Feminist movements.

320. **Introduction to Political Theory.** 3 hrs. A survey of the principal political ideologies in the world today.

330. **United States Foreign Policy.** 3 hrs.

331. **Introduction to International Politics.** 3 hrs.

351. **Introduction to Comparative Government.** 3 hrs. A classification of selected political systems analyzed in the context of different economic and political cultures.

370. **Introduction to Public Administration.** 3 hrs.

375. **Government and Economics.** 3 hrs.

380. **Introduction to Law in American Society.** 3 hrs. A basic course to familiarize students with the court structure, the legal profession, and the role of law in American society.

381. **Introduction to Paralegalism.** 3 hrs. An introduction to the field of paralegalism including the history and scope of the profession.

382. **Legal Drafting and Civil Litigation.** 3 hrs. An introduction to the required content of basic legal documents and the mechanics of civil litigation.

383. **Legal Research.** 3 hrs. A summary of primary and secondary legal sources including reports, digests, statutes, citations, and other basic materials used in legal research.

389. **Internship in Paralegal Studies.** 3 hrs. Prerequisite: PS 381, 382, and 383 and permission of the director. The course is open only to paralegal majors and minors.

401. **Political Socialization.** 3 hrs. An analysis of the American political system on an advanced level.

402. **Urban Politics.** 3 hrs.

404. **The Legislative Process.** 3 hrs.

406. **American Political Parties and Pressure Groups.** 3 hrs.

407. **Mississippi Government.** 3 hrs.

408. **The American Presidency.** 3 hrs. An analysis of the selection, role, power, and performance of the presidency.

409. **Southern Politics.** 3 hrs. An examination of the politics and political culture of the southern states.

420. **Political Theory to Locke.** 3 hrs.

421. **Political Theory Locke to Present.** 3 hrs.

425. **American Political Theory.** 3 hrs.

431. **International Organization.** 3 hrs.

432. **Foreign Policies of the Major Powers.** 3 hrs. An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and lesser blocs.

434. **Inter-American Politics.** 3 hrs. A study of hemisphere relations, with emphasis on the United States and Latin America, bilaterally and multilaterally.

435. **Comparative Foreign Policy.** 3 hrs.

450. **Comparative Studies in European Politics.** 3 hrs.

451. **Soviet Government and Politics.** 3 hrs.

452. **The Political Systems of Great Britian and the Commonwealth.** 3 hrs.

453. **Government and Politics in the Middle East.** 3 hrs.

455. **Government and Politics in Tropical Africa.** 3 hrs.

456. **Latin American Governments and Politics.** 3 hrs.

458. **Latin American Political and Economic Development.** 3 hrs.

471. **Public Personnel Administration.** 3 hrs.

472. **Organization and Management.** 3 hrs.

473. **Public Policy.** 3 hrs.

474. **Governmental Budgetary Process.** 3 hrs. Facets of budgetary administration, emphasizing federal and municipal budgets, theory and process.

480. **United States Constitutional Law.** 3 hrs.

481. **The American Judicial Process.** 3 hrs.

482. **Comparative Judicial Politics.** 3 hrs. Prerequisite: PS 480 or PS 481 or consent of instructor.

484. **Administrative Law.** 3 hrs.

485. **International Law.** 3 hrs.

489. **U.S. Supreme Court and Civil Liberties.** 3 hrs. An analysis of the role of the U.S. Supreme Court in protecting individual rights. Primary focus is on litigation involving provisions of the Bill of Rights.

491. **Proseminar in Political Science.** 3 hrs. Prerequisite: Consent of instructor. An undergraduate seminar devoted to topics selected by the supervising professor. May be repeated once for credit with change in content.

492. **Special Problems.** 1-3 hrs.

POLYMER SCIENCE (PSC—370)

(See also FORENSIC SCIENCE)

191. **The Polymer Industry I, II.** 2 hrs. each. An introduction to the history, recent developments, applications, and processing of polymers.

291. **The Polymer Industry III, IV.** 2 hrs. each. An introduction to the properties of major commercial polymers, raw material sources, and the organization of the polymer industry.

301. **Organic Polymer Chemistry I.** 3 hrs. Systematic study of polymers with emphasis centered on those synthesized by step-growth polymerization.

301-L. **Laboratory for Polymer Science 301.** 1 hr.

302. **Organic Polymer Chemistry II.** 3 hrs. A study of polymer formation techniques, kinetics, and properties with emphasis on addition polymerization, copolymerization, and stereoregular polymerization.

302-L. **Laboratory for Polymer Science 302.** 1 hr.

310. **Technical and Scientific Communication.** 1 hr. Training in the preparation of written and oral reports on scientific and technical problems.

330. **Structure of Materials.** 3 hrs. An introduction to the physical character of materials emphasizing the relationship of structure to fundamental composition.

350. **Polymeric Materials.** 3 hrs. Introduction to materials science. Comparison of structure and properties of polymers to non-polymeric materials.

360. **Polymer Rheology.** 3 hrs. Theory and practice.

361. **Polymer Processing I.** 3 hrs. Plastics extrusion technology and theory. Technical planning for plastics production. Material selection for plastic products. Trends in the plastics industry.

361-L. **Laboratory for Polymer Science 361.** 2 hrs.

370. **Surface Coatings Science I.** 3 hrs. Introduction to surface coatings.

371. **Surface Coatings Science II.** 3 hrs. Introduction to surface coatings. A continuation of PSC 370.

401. **Physical Chemistry for Polymers I.** 3 hrs. Polymer structure, chain conformation, solution properties, thermodynamics, fractionation, and molecular weight measurement.

401-L. **Laboratory for Polymer Science 401.** 1 hr.

402. **Physical Chemistry of Polymers II.** 3 hrs. Instrumental analysis of polymers, morphology, rheology, structure-property relationships.

402-L. **Laboratory for Polymer Science 402.** 1 hr.

412. **Introduction to Macromolecules.** 3 hrs. An introduction to the chemistry and physics of natural and synthetic high polymers.

430. **Plastics, Ceramics, Composites.** 3 hrs. A comparative study of the physical property behavior of non-metallic materials in pure form and in combination.

460. **Physical Properties of Polymers I.** 3 hrs. Mechanical and electrical properties of polymers as viscoelastic materials emphasizing the effects of time and temperature at constant stress levels.

460-L. **Laboratory for Polymer Science 460.** 1 hr.

461. **Physical Properties of Polymers II.** 3 hrs. Mechanical and electrical properties of polymers as materials emphasizing the effects of time and temperature at variable stress levels.

461-L. **Laboratory for Polymer Science 461.** 1 hr.

470. **Surface Coatings.** 4 hrs. Study of the physical and chemical properties of the pigments, binders, solvents, and additives employed in surface coatings; dispersion techniques, surface preparation, paint testing, application techniques, and surface coatings mutations analysis are also discussed.

470-L. **Laboratory for Polymer Science 470.** 1 hr.

480. **Polymer Kinetics.** 3 hrs. Introduction to polymerization kinetics and reactor design.

490. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final status report required.

490-L. **Laboratory for Polymer Science 490.** 3 hrs.

491. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final status report required.

491-L. **Laboratory for Polymer Science 491.** 3 hrs.

PSYCHOLOGY (PSY—175)

110. **General Psychology.** 3 hrs. Open to freshmen. An introduction to the scientific study of human behavior and experience. (JC 1513)

231. **Mental Hygiene.** 3 hrs. Prerequisite: PSY 110. Understanding of the problems people face in our society, and the diverse ways in which they respond to these problems.

251. **Applied Psychology.** 3 hrs. Prerequisite: PSY 110. Application of psychological methods and principles to a number of occupational fields other than education.

310. **Advanced General Psychology.** 3 hrs. An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

320. **Experimental Psychology.** 3 hrs. Prerequisites: PSY 310 and 360. Introduction to experimental methodology and laboratory apparatus with application to various areas of psychology.

360. **Introduction to Statistics for the Behavioral Sciences.** 3 hrs. Probability, central tendency, variability, and correlation. Hypothesis testing with Z, t, chi-square, and F.

375. **Developmental Psychology.** 3 hrs. A study of the course of growth and development throughout the life span, with emphasis on principles of development. Students who take EPY 370 or 372 should not take this course.

418. **History and Systems of Psychology.** 3 hrs. Prerequisite: Permission of the instructor. Review of the history of psychology and intensive study of current systems of psychology. Primarily for senior psychology majors.

420. **Sensation and Perception.** 3 hrs. Prerequisite: PSY 320. A survey of sensory and perceptual processes with emphasis on the visual system.

422. **Psychology of Learning.** 3 hrs. Prerequisite: PSY 320. A study of the basic problems, theories, concepts, and research in the areas of human and animal learning.

424. **Animal Behavior.** 3 hrs. Prerequisite: PSY 320. Study of animal behavior with emphasis on the comparison of psychological processes along the phylogenetic scale.

426. **Physiological Psychology.** 3 hrs. Prerequisite: PSY 110. Relationships between physiological functions, especially those of the nervous system, and emotional behavior, motivation, and learning.

432. **Introduction to Behavior Modification.** 3 hrs. Prerequisite: Permission of instructor. Principles and techniques of behavior modification applied to normal and deviant behavior across environmental settings.

436. **Abnormal Psychology.** 3 hrs. Prerequisite: Permission of the instructor. Study of the major psychoneuroses, and mental deficiency; field trips, and demonstration clinics.

450. **Social Psychology.** 3 hrs. Prerequisite: PSY 110. Study of social influences on personality development and perceptual-cognitive processes and social motivation.

451. **Industrial Psychology.** 3 hrs. Prerequisite: PSY 110. (PSY 360 recommended.) Applications of psychological principles and methods to problems of industry.

455. **Psychology of Personality.** 3 hrs. Prerequisites: PSY 110 and permission of the instructor. Different theoretical approaches to the development of the mature personality.

456. **Psychology of Aging and Death.** 3 hrs. Study of problems and attitudes concerning aging and death.

462. **Psychological Measurement.** 3 hrs. Prerequisites: PSY 110 and 360. Theory, problems and techniques of psychological measurement.

492. **Special Problems in Psychology.** 1-6 hrs. Prerequisites: PSY 320 and consent of instructor.

493. **Field Experience in Psychology.** 1-3 hrs. Prerequisites: Twenty-four hours of psychology and permission of the instructor and department chairman. Opportunity for the student to observe and participate under supervision in the activities of one or several agencies providing psychological services.

495. **Special Problems.** 6 hrs. State Internship.

498. **Senior Thesis.** 3 hrs. Prerequisite: Permission of department chairman and instructor.

RADIO-TELEVISION-FILM (RTF—220)

200. **Survey of Mass Communication.** 3 hrs.

270. **Film History and Criticism (1895-1945).** 3 hrs.

271. **Introduction to Film Production.** 3 hrs.

302. **Broadcast Journalism.** 3 hrs. Prerequisite: JOU 102 and completion of English requirements in core curriculum.

303. **Internship in Radio, Television, and Film.** 3-9 hrs. Prerequisite: Consent of instructor.

310. **Radio Laboratory.** 1 hr.

311. **Radio Production.** 3 hrs.

320. **Announcing.** 3 hrs. Prerequisite: RTF 311.

330. **Broadcast Advertising.** 3 hrs.

340. **Introduction to TV Production.** 3 hrs.

360. **Broadcast Rules and Regulations.** 3 hrs.

370. **Contemporary Cinema.** 3 hrs.

371. **Basic Cinematography.** 3 hrs. Prerequisite: RTF 271.

375. **Film Editing.** 3 hrs. Prerequisite: RTF 371 or consent of instructor.

377. **Film Production Workshop.** 3 hrs.

407. **Theories of Mass Communication.** 3 hrs.

411. **Advanced Audio Production.** 3 hrs.

416. **Radio Station Management.** 3 hrs.

417. **Radio Production Workshop.** 2 hrs. Prerequisite: RTF 311.

418. **Practicum in RTF Field.** 3 hrs. Prerequisite: Consent of instructor.

425. **Audience Analysis.** 3 hrs.

431. **Advertising Management and Sales.** 3 hrs. Prerequisite: RTF 330.

440. **Advanced Television Production.** 3 hrs. Prerequisite: RTF 340.

442. **Writing for Radio-TV.** 3 hrs. Prerequisite: RTF 340.

447. **Television Production Workshop.** 3 hrs. Prerequisite: RTF 440.

448. **Seminar in Radio-TV.** 3 hrs.

460. **Issues in Broadcasting.** 3 hrs.

471. **Advanced Cinematography.** 3 hrs. Prerequisite: RTF 371 and consent of instructor.

472. **Writing for Television and Film.** 3 hrs.

474. **Techniques in Film Acting and Directing.** 3 hrs.

477. **Advanced Film Production Workshop.** 3 hrs. Prerequisite: Consent of instructor.

478. **Seminar in Film.** 3 hrs.

492. **Special Problems in Radio, Television, and Film.** 1-3 hrs. Prerequisite: Consent of instructor.

REAL ESTATE AND INSURANCE (REI—617)

300. **Real Estate License Review.** 3 hrs. Review to pass state real estate sales and broker examinations. Not acceptable for real estate and insurance major requirements.

310. **Land Resource Principles.** 3 hrs. An introduction to the economics of land resources.

325. **General Insurance.** 3 hrs. Nature of risk, its measurement, and the insurance mechanism as a device for handling risk with reference to the principal types of coverage.

326. **Introduction to Actuarial Science.** 3 hrs. Compound interest theory, its application, and basic actuarial techniques of premium and reserve determination for life insurance and annuities.

330. **Real Estate Principles.** 3 hrs. An introduction to the field of real estate covering principles of law, valuation, management, financing, and brokerage of real estate.

334. **Residential Valuation.** 3 hrs. Prerequisite: REI 310 or 330. An introduction to the theory and practice of residential real estate valuation.

340. **Real Estate Law.** 3 hrs. Prerequisite: GBA 295. The law of real property and the law of real estate brokerage.

345. **Property Management.** 3 hrs. Prerequisite: REI 330. The economics of location, finance, marketing, and law as it relates to property management.

425. **Life Insurance.** 3 hrs. Prerequisite: REI 325. Types of policies and their uses; contract provisions; actuarial and legal aspects; settlement options.

432. **Real Estate Finance.** 3 hrs. Prerequisite: REI 330. A study of the sources of real estate funds and analytical techniques for investment decision making.

434. **Income Property Valuation.** 3 hrs. Prerequisite: REI 330. Emphasis on the income approaches to real estate valuation.

445. **Property and Liability Insurance.** 3 hrs. Prerequisite: REI 325. Fire, consequential loss, theft, automobile, general liability, and workmen's compensation insurance.

450. **Health Insurance.** 3 hrs. Prerequisite: REI 325. Disability risk with its economic consequences and the various health insurance coverages available to meet it.

460. **Real Estate Development.** 3 hrs. Prerequisite: REI 310 or 330. An analysis of real estate development in the private sector.

RECREATION (REC—735)

Service Activity Courses—The following are activity courses offered on a grade or pass-fail basis and REC 180 through 187 will fulfill the physical education University requirements.

180. **Skeet and Trap Shooting.** 1 hr.

182. **Marksmanship Instructors Course.** 1 hr.

183. **Pioneering.** 1 hr.

184. **Canoeing.** 1 hr.

185. **Family Camping.** 1 hr.

186. **Freshwater Fishing.** 1 hr.- .

187. **Saltwater Fishing.** 1 hr.

188. **Hobbycraft.** 1 hr.

189. **Naturecraft.** 1 hr.

Career Courses—The. following are career courses offered to meet requirements for a major in recreation leading to a Bachelor of Science degree.

200. **Man's Search for Leisure.** 3 hrs. A study of the evolution of leisure and lesiure service programs.

203. **The Literature of Recreation.** 3 hrs. A course to introduce recreation majors to the various areas of specialization.

210. **Practicum in Recreation I.** 1 hr. Initial field experience in area of specialization.

211. **Practicum in Recreation II.** 1 hr. Observational experiences in areas of specialization.

212. **Practicum in Recreation III.** 1 hr. Practical field experiences as aide in area of specialization.

300. **Recreational Scuba.** 2 hrs. Provide competent diving instruction to meet increased demand for aquatic recreation.

301. **Adventure Training.** 2 hrs. To develop student proficiency in land and water navigation, marksmanship, and survival techniques.

322. **Theory of Recreation Programming.** 3 hrs. Procedures and methods involved in planning and organizing a comprehensive recreation program.

323. **Theory of Recreation Leadership.** 3 hrs. Methods, techniques, and materials for directing individuals in group activities.

341. **Camper Counseling, Administration, and Operation.** 3 hrs. Objectives, activities, methods, administrative and operational policies of organized camps.

342. **Outdoor Recreation.** 3 hrs. The recreational use of outdoors, with emphasis on education, emerging trends and problems.

350. **Introduction to Therapeutic Recreation.** 3 hrs. Introduction to theory, practice, philosophy and role of TR in community and institutions.

402. **Seminar in Recreation.** 1 hr. A seminar course designed to examine pertinent issues and current practices in recreation.

403. **Field Work in Recreation.** 9 hrs. Internship under the direct supervision of a field professional.

410. **Physical Education and Recreation for the Educationally Disabled and Other Behavioral Disorders.** 3 hrs. The development of concepts and knowledge of physical education and recreation programs for L.D., M.R. and E.D.

411. **Physical Education and Recreation for the Crippled and Other Health Impaired.** 3 hrs. The development of concepts knowledge for programs for C.P. and P.H. individuals.

412. **Sports Programs for the Disabled.** 3 hrs. Competitive sports programming and special techniques for preparing disabled individuals for participation.

413. **Organization and Administration of Public Recreation.** 3 hrs. Designed to study the organization and administration of public recreation agencies and their policies.

415. **Business Procedures for Parks and Recreation.** 3 hrs. A study of specific business procedures and administrative policies.

417. **Park Management and Operation.** 3 hrs. The operational techniques and managerial principles of efficient administration.

422. **Youth Service Programs.** 3 hrs. The responsibilities, relationships, organization, administration, and activities of youth agencies.

424. **Community Playgrounds Programs and Operation.** 3 hrs. The administration, programs, and operation of playgrounds and community centers.

426. **Community-School Recreation.** 3 hrs. A comprehensive overview of community recreation with emphasis on inter-relationships of public schools.

432. **Environmental Aspects of Recreation.** 3 hrs. The interrelationships between recreational and available resources.

434. **Park Development and Design.** 3 hrs. The application of design and planning concepts to outdoor recreation areas and facilities.

436. **Park and Recreation Planning.** 3 hrs. Fundamental principles and methodologies dealing with proper identification, allocation, and use of resources.

441. **Resources Management and Policy.** 3 hrs. The techniques, procedures, and policies affecting management of natural resources.

443. **Outdoor Education.** 3 hrs. A study of outdoor education, specifically its philosophy, programs, methods, and resources. Organization, programming, and conducting of programs and activities in institutions.

447. **Interpretation of Cultural and Natural Resources.** 3 hrs. The interpretive process as applied to natural and cultural resources.

451. **Theraputic Recreation Programming.** 3 hrs. The organization, programming, and conducting of programs and activities in institutions.

452. **Gerontology and Recreation for Later Years.** 3 hrs. The aging process and special needs, problems, opportunities, and activities of older people.

490. **Physical Education for the Handicapped.** 3 hrs. Theoretical aspects and practical applications of physical education and recreation for the handicapped.

491. **Recreation Education for Teachers.** 3 hrs. Programs and benefits of recreation and leisure to motivate leaders who serve in educating individuals.

492. **Outdoor Recreation Seminar.** 3 hrs. A practical and philosophical introduction to the use of outdoors.

494. **Field Problems.** 1-6 hrs. Prerequisite: Permission of department chairman. Practical experiences dealing with problem situations in the field.

RELIGION (REL—288)

ANT 316. **Biblical Archeology.** May also be offered for credit as a religion course.

ANT 412. **Mythology and Folklore.** May also be offered for credit as a religion course.

ANT 434. **Primitive Religion.** May also be offered for credit as a religion course.

131. **Introduction to Religion.** 3 hrs. The study of religion as an aspect of human culture with attention to both Christian and non-Christian religions.

330. **Religion in Society.** 3 hrs. A study of religion in society and its interaction with and relation to other social values.

333. **The Jewish Tradition.** 3 hrs. A study of the major themes and history of the Jewish religion.

335. **The Christian Tradition.** 3 hrs. A study of the major themes and history of the Christian religion.

435. **Religions of the Near East.** 3 hrs. A survey of Judaism, Islam, and Zoroastrianism.

436. **Mysticism.** 3 hrs. A study of the major themes and issues of religious mysticism—East and West.

490. **Contemporary Religious Problems.** 3 hrs. An examination of specific problems within the broad spectrum of contemporary religious concern.

492. **Special Problems.** 1-3 hrs.

RESEARCH AND FOUNDATIONS (REF—125)

(Educational Foundations)

336. **Principles of Guidance.** 3 hrs. Deals with the fundamental philosophy, methods, and organization of guidance services in the public schools.

400. **Public Education in the United States.** 3 hrs. An orientation to teaching as a profession. To be taken the last semester of the sophomore year.

416. **Audiovisual Education.** 3 hrs. A general course for teachers with emphasis upon use, production and selection of sound and visual classroom media.

421. **Seminar for Teaching Interns.** 9 hrs. Open to inter-teachers only.

430. **Teaching in the Space Age.** 1-3 hrs. A study of the influence of aerospace developments on society.

436. **Designing Educational Systems for Individualized Instruction.** 3 hrs. Emphasizes systems approach to individualizing instruction. Designed for teachers and library-media personnel.

469. **Tests and Measurements.** 3 hrs. Prerequisites: EPY 370, 372, or 374, and senior standing. Considers evaluative practices in education.

490. **Classroom Use of Instructional Television.** 3 hrs. Planning, organizing, presentation, and use of instructional television. Emphasis on Mississippi's state program.

494. **Field Problems.** 3 hrs. Prerequisite: Approval of department chairman.

SCIENCE EDUCATION (SCE—380)

432. **Science for Elementary Teachers.** 3 hrs. Prerequisites: FS 131, 132, 133, 134, or 12 semester hours of science.

435. **Marine Science for Elementary Teachers.** 3 hrs. Prerequisite: Permission of instructor.

441. **Methods of Teaching the Metric System.** 3 hrs. Lectures and exercises in measurements using the International System of Units.

453. **Earth and Environmental Science for Intermediate School Teachers.** 3 hrs. Prerequisite: Earth and environmental science background or permission of the instructor.

454. **Biological Sciences for Intermediate School Teachers.** 3 hrs. An examination of subject matter, techniques, and methods for teaching the life sciences.

455. **Physical Science for Intermediate School Teachers.** 3 hrs. An examination of the subject matter, techniques, and methods for teaching.

456. **Techniques in Marine Science Education.** 3 hrs. Marine resources of Mississippi.

457. **Marine Science for Teachers.** 3 hrs. Prerequisites: SCE 456 or permission. Advanced topics in marine science.

470. **Biology for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. An examination of the techniques and methods for teaching biology.

471. **Chemistry for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. Designed to familiarize teachers with materials, methods, and techniques.

472. **Physics for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. A course to familiarize teachers with content, methods, materials, and techniques.

492. **Special Problems.** 1-3 hrs. arr. A problem study to be approved by the department chairman.

SOCIOLOGY (SOC—292)

Note: All 400 level courses are open to students of junior standing or higher.

101. **Introduction to Sociology.** 3 hrs. Prerequisite to all other sociology courses. Designed to give a general overview of the perspective, concepts, and methodology of sociology. (JC 2113)

230. **Introduction to Social Work.** 3 hrs. An introduction to the purpose, methods, and philosophy of contemporary social work. Open to persons in other disciplines. (JC 1143, 2163)

240. **Social Problems.** 3 hrs. A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change. (JC 2123, 2133)

300. **Social Organization.** 3 hrs. The structure and functioning of social groups, organizations and institutions including process of cooperation, conflict and change.

310. **Urban Sociology.** 3 hrs. An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology and ecological processes.

311. **Rural Sociology.** 3 hrs. A study of the structure, institutions, and social processes of rural society; and of the effect of urbanization on rural society.

314. **The Family.** 3 hrs. An analysis of the structure and functions of the family as an institution and the factors making for family change.

330. **Methods of Social Case Work.** 3 hrs. Prerequisite: SOC 230. A study of the principles of social case work.

331. **Methods of Social Work II.** 3 hrs. A study of techniques and methods of carrying out practice in group and community settings.

340. **Social Control and Deviance.** 3 hrs.

341. **Criminology.** 3 hrs. A study of causes, treatment, and prevention of crime. Deals with criminology, penology, and criminal legislation.

350. **Sociology of Minorities.** 3 hrs. An analysis of socio-cultural factors in minority-majority relationships and their social and psychic implications.

355. **Collective Behavior and Social Movements.** 3 hrs. A study of the ways in which collective behavior and social movements relate to socio-cultural change.

421. **Special Sociological Topics.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

424. **Gerontology.** 3 hrs. The social significance of age and aging through childhood, adolescence, maturity, and old age.

426. **Sociology of Education.** 3 hrs. A comprehensive study of the educational institution, its relationship to the community and society.

433. **Field Work Practicum.** 3-9 hrs. arr. Designed to provide the student with practical field experiences in a career-oriented area.

444. **Juvenile Delinquency.** 3 hrs. A study of causes and the nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs.

450. **Social Foundations of Personality.** 3 hrs. A treatment of the role of the social group and the cultural heritage in the development and functioning of the human personality.

460. **Methods of Social Research.** 3 hrs. A survey of elementary research techniques used in empirical social investigations.

461. **Population.** 3 hrs. Prerequisite: SOC 460. An introduction to demography, analyzing significant changes in population composition.

462. **Methods of Social Research II.** 3 hrs. Research designs, types of research, methods of observation and data collection, specialized techniques.

471. **Social Institutions.** 3 hrs. A detailed study of major American social institutions, their functions, interrelationships, and significant trends.

480. **Advanced General Sociology.** 3 hrs. An advanced course in general sociology giving expanded treatment to the basic sociological concepts and subject-matter areas.

481. **History of Social Thought.** 3 hrs. An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482. **Sociological Theory.** 3 hrs. A survey of the growth and development of sociological theory from Comte to the present.

492. **Special Problems.** 1-3 hrs. To be used to pursue specialized interests for which courses are not offered.

SPECIAL EDUCATION (SPE—190)

200. **Practicum in Special Education.** 1 hr. Observational methods with the handicapped. To be taken with SPE 400 or by special arrangement.

201. **Practicum in Special Education.** 1 hr. Teacher aide work with severely involved handicapped. To be taken with SPE 401.

202. **Practicum in Special Education.** 1 hr. Mini lessons and teacher aide work with the handicapped. To be taken with SPE 432 (early childhood) or SPE 434 (secondary/adult).

310. **Student Teaching: Observation** 1 hr. First clinical and student teaching experienoe for speech correction majors.

311. **Student Teaching: Screening.** 1 hr. Clinical work in assessing children in speech and audiology.

312. **Student Teaching: Clinical Practice.** 1-7 hrs.

400. **The Psychology and Education of the Exceptional Child.** 3 hrs. An introduction to exceptional populations and procedures and policies relating to their education and citizenship.

401. **Methods and Materials for the Multiply, Profoundly and Severely Handicapped.** 3 hrs. Program and curricula development for children with severe learning problems to include the retarded, deaf-blind, and physical-medical deficiencies.

402. **General Methods in Special Education.** 3 hrs. The development of conceptual and writing skills associated with individual educational programs for the handicapped, materials, and media techniques.

403. **Educational Evaluation of Exceptional Children.** 3 hrs. Prerequisite: REF 469. Basic principles underlying measurement and evaluation in education with emphasis on interpretation as it relates to exceptional children.

410. **Methods in Speech Correction.** 3 hrs. Prerequisites: SHS 201, 202, 211, 221, 411, and SHS majors. A course designed to acquaint the speech and hearning major with clinical conditions as found in public schools.

411. **Language Development for the Handicapped.** 3 hrs. An introduction to language processes and common deficits related to the handicapped.

420. **Structure and Function of the Eye.** 3 hrs. Indentification, function, and care of the eye as it relates to the visually handicapped.

421. **Methods and Materials in Teaching Visually Handicapped.** 3 hrs. A study of practices commonly used in education programs, including Braille, space orientation, special materials, and organizations.

422. **Braille.** 3 hrs. A skill course in communication through Type 2 Braille.

423. **Teaching of Braille.** 3 hrs. Prerequisite: SPE 422 or equivalent. Developing methods for teaching Braille to visually handicapped to include reading, mathematics, and production abilities.

424. **Mobility Training for the Visually Handicapped.** 3 hrs. An introduction to mobility, movement, and spatial awareness for the visually handicapped.

425. **Psychology and Education of the Visually Handicapped.** 3 hrs. A study of social-emotional and cognitive learning factors of the visually handicapped.

427. **Physically Handicapped and Other Health Impaired.** 3 hrs. A study of major handicapping conditions associated with physical and health impairments and their educational implications.

428. **Methods for Teaching the Physically Handicapped and Other Health Impaired.** 3 hrs. Educational programs, counseling techniques, and least restrictive alternative placements for the physically handicapped.

429. **Curriculum and Mobility Training for the Physically Handicapped.** 3 hrs. General curricula development and specific demonstration and simulations in mobility training.

430. **Learning Disabilities.** 3 hrs. Prerequisite: SPE 400 or permission. A study of social, emotional, physical, and learning characteristics of specific learning disabilities.

431. **Individual Programming for Educationally Handicapped: Pre-academic Levels.** 3 hrs. Methods and materials and individual educational planning for pre-academic level retarded, specific learning disabled and mildly emotionally disturbed.

432. **Individual Programming for Educationally Handicapped: Elementary Levels.** 3 hrs. Methods and materials and individual educational planning for elementary level retarded, specific learning disabled and mildly emotionally disturbed.

433. **Individual Programming for Educationally Handicapped: Secondary and Adult Levels.** 3 hrs. Methods and materials and Individual educational planning for secondary retardation, specific learning disabilities, and mild emotionally disturbed.

440. **Mental Retardation.** 3 hrs. Prerequisite: SPE 400 or permission. A study of social, emotional, physical, and intellectual characteristics of the mentally retarded.

450. **Introduction to Behavioral Disorders.** 3 hrs. A basic study of personality and social deviations commonly found with school age pupils to include etiologies, programming, and service delivery units.

451. **Behavioral Management: Handicapped.** 3 hrs. Methods of affective development, control, and resources in behavioral problems with the handicapped.

465. **Characteristics of the Gifted and Talented.** 3 hrs. Study of gifted populations to include characteristics, learning modes, and assessment procedures.

466. **Basic Methods and Materials in Gifted/Talented Education.** 3 hrs. Curricula building activities for teachers in programs for the gifted.

470. **Organizational Procedures in Special Education.** 3 hrs. Study of alternative modes in educating handicapped, legal aspects, and administrative policies and processes.

481. **Student Teaching: Educationally Handicapped.** 9 hrs.

482. **Student Teaching: Visually Handicapped.** 9 hrs.

483. **Student Teaching: Physically Handicapped.** 9 hrs.

484. **Student Teaching: Gifted and Talented.** 9 hrs.

486. **Student Teaching: Hearing Impaired.** 3 hrs.

489. **Seminar in Special Education of Student Teaching.** 6 hrs. In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers.

490. **Workshop in Special Education.** 3 hrs.

492. **Special Problems in Special Education.** 1-3 hrs. A consideration of special interest areas in the field of exceptional children.

SPEECH AND HEARING SCIENCES (SHS—296)

101. **Orientation to Speech and Hearing Sciences.** 1 hr.

201. **Phonetics.** 3 hrs.

202. **Fundamentals of Speech and Hearing Science.** 3 hrs.

211. **Introduction to Communication Disorders.** 3 hrs.

221. **Introduction to Audiology.** 3 hrs.

401. **Language and Speech Development.** 3 hrs.

402. **Anatomy and Physiology of the Hearing Mechanism.** 3 hrs.

403. **Anatomy and Physiology of the Speech Mechanism.** 3 hrs.

411. **Articulation Disorders.** 3 hrs. Prerequisites: SHS 201, 211.

412. **Diagnostic Procedures in Speech Pathology I.** 3 hrs. Prerequisites: SHS 211, 411.

413. **Voice Disorders.** 3 hrs. Prerequisites: SHS 211, 403.

414. **Stuttering and Related Problems.** 3 hrs. Prerequisites: SHS 211.

415. **Speech and Language Disorders of the Cerebral Palsied.** 3 hrs. Prerequisites: SHS 211, 403.

416. **Adult Aphasia and Related Problems.** 3 hrs. Prerequisites: SHS 211, 403.

417. **Speech and Language Disorders Related to Cleft Palate.** 3 hrs. Prerequisites: SHS 211, 403.

418. **Advanced Clinical Methods.** 3 hrs. Prerequisite: Permission of instructor.

419. **Organic Disorders of Speech.** 3 hrs. Prerequisites: SHS 202, 403, 411.

420. **Middle Ear Measurement.** 3 hrs. Prerequisites: SHS 221, 402.

421. **Aural Rehabilitation.** 3 hrs. Prerequisite: SHS 221.

422. **Diagnostic/Prescriptive Teaching of the Hearing Impaired.** 3 hrs. Prerequisite: Senior standing or permission of instructor.

423. **Basic Sign Language.** 2 hrs. For non-Education of the Deaf majors.

424. **Methods of Communicating with the Hearing Impaired.** 3 hrs. For Education of the Deaf majors only. May be repeated once for credit.

425. **Psycho-Social Factors Associated with Hearing Impairment.** 3 hrs. Prerequisite: Consent of instructor.

426. **Secondary School Methods and Curriculum for Hearing Impaired Children.** 3 hrs. Prerequisites: SHS 433, SHS 438.

427. **Anatomy, Physiology and Research in Speech, Hearing and Language for the Hearing Impaired.**

428. **Clinical Audiology I.** 3 hrs. Prerequisite: SHS 221.

431. **Language Disorders I: Assessment of Children with Language Disorders.** 3 hrs. Prerequisite: SHS 401.

432. **Language Disorders II: Habilitation of the Aphasic Child.** 3 hrs. Prerequisites: SHS 401.

433. **Developing Language Skills with the Hearing Impaired.** 3 hrs.

434. **Learning Strategies for the Multi-Handicapped Hearing Impaired Child.** 3 hrs. Prerequisites: EPY 374, SPE 400, SHS 433, 437 or permission of instructor.

435. **Developing Oral--Aural Communication in Hearing Impaired Children.** 3 hrs.

436. **Developing Reading in the Hearing Impaired.** 3 hrs. Prerequisite: SHS 433 or consent of instructor.

437. **Introduction to Education of the Hearing Impaired.** 3 hrs.

438. **Problems in Academic Subjects for the Hard-of-Hearing and Deaf.** 3 hrs.

439. **Education of Preschool Hearing Impaired Children.** 3 hrs. Prerequisite: SHS 221. Practicum required.

492. **Special Problems.** 1-3 hrs.

SPEECH COMMUNICATION (SCM—216)

100. **Human Communication.** 3 hrs. An overview of the field of human communication, including interpersonal, small group, organizational, and mass communication.

111. **Oral Communication.** 3 hrs. Communication principles and practice in the preparation and develivery of public speeches. (JC 1113)

112. **Argumentation and Debate.** 3 hrs. Theory and practice in inquiry and advocacy involving analysis, reasoning, organization and presentation of arguments for decision making. (JC 1123, 2133)

210. **Voice and Diction.** 3 hrs. Instruction in phonetics, the relationship between speech and social roles, and the development of a standard English dialect. May be taken in concert with SCM 300-L Oral Language Laboratory. (JC 1153)

300-L. **Oral Language Laboratory.** 1-3 hrs. arr. An oral language laboratory to help students develop effective, standard English speech. Includes individual speech analysis and voice and diction pattern practice. Not to be counted as satisfying the Liberal Arts core. May be taken in concert with SCM 210 Voice and Diction.

305. **Interpersonal Communication.** 3 hrs. An experiential course designed to improve students' competence in and understanding of interpersonal relationships.

310. **Forensics.** 1 hr. May be repeated for three hours credit. For participation in Inquiry and Advocacy, USM's public debate program.

311. **Persuasion.** 3 hrs. Study of classical and contemporary theories and strategies of persuasion with applications to human relations, advertising, and public relations.

312. **Interviewing Principles and Applications.** 3 hrs.

315. **Advanced Public Address.** 3 hrs.

320. **Business and Professional Speaking.** 3 hrs. A course to develop student skills in a broad group of special communication skills pertinent to the world of work, e.g., running meetings, making technical reports, and group problem solving.

330. **Small Group Communication.** 3 hrs. Provides students with the basic skills and principles of communication pertinent to the small problem-solving group.

350. **Nonverbal Communication.** 3 hrs. An examination of the varieties of nonverbal communication and their role as context for speech communication.

403. **Political Communication.** 3 hrs. A comprehensive study of the role of communication in political campaigns and in the general political process.

410. **Organizational Communication.** 3 hrs. Analysis of communication purposes, needs, systems, and effects, emphasizing facilitation of task interdependencies and utilization of human resources.

411. **Managing the Forensics Program.** 3 hrs.

412. **Coaching Debate.** 3 hrs.

417. **Practicum.** 3 hrs. May be repeated twice.

450. **Seminar in Speech Communication.** 3 hrs. An examination of various theories of speech communication and various settings for their application.

492. **Special Problems.** 1-3 hrs.

THEATRE ARTS (THE—685)

103. **Introduction to Theatre.** 3 hrs. (JC-SPT-1213)

105. **Beginning Tap.** 2 hrs. Developing an understanding and practice of movement skills basic to tap dance of America. May be repeated twice for a total of six hours.

106. **Beginning Jazz.** 2 hrs. The study and application of the basic skills of jazz dance. May be repeated twice for a total of six hours.

111. **Fundamentals of Oral Interpretation.** 3 hrs. General educational approach to the art as a means of communicating literary content. (JC-SPT-2143)

115. **Voice for the Actor I.** 2 hrs. Vocal methods and techniques for use in the theatre.

120. **Fundamentals of Acting.** 3 hrs. (JC-SPT-1233)

125. **Movement for the Actor.** 2 hrs.

150. **Beginning Modern Dance.** 2 hrs. Discussion and practice of movement patterns, improvisation, and studies in modern dance for the non-major. May be repeated twice for a total of six hours.

152. **Modern Dance Techniques and Composition.** 3 hrs. Discussion and practice of movement skills and studies in modern dance for the dance major. May be repeated for a total of six hours.

200. **Stagecraft.** 3 hrs. Both study and practical application of the techniques of building and painting stage scenery and properties. (JC-SPT-2223)

201. **Introduction to Costume.** 3 hrs. Costume theory and practical workshop procedures.

204. **Stage Makeup.** 2 hrs.

215. **Voice for the Actor II.** 2 hrs. Prerequisite: THE 115. Continuation of THE 115 plus introduction to stage dialects.

240. **Mime and Pantomine.** 2 hrs.

250. **Beginning Ballet.** 2 hrs. Discussion and practice of movements in ballet for the non-major. May be repeated twice for a total of six hours.

252. **Ballet Technique.** 3 hrs. Discussion and practice of ballet skills for the dance major. May be repeated for a total of six hours.

253. **Dance Improvisation.** 2 hrs.

254. **Music Analysis and Accompaniment for Dance.** 2 hrs.

258. **Modern Dance Technique and Survey.** 3 hrs. May be repeated for a total of six hours.

259. **Intermediate Dance Composition.** 3 hrs. Exploration of the elements of dance applied to dance choreography.

301. **Reader's Theatre.** 3 hrs. Prerequisite: THE 111. Theories and problems of presenting prose, poetry, and drama in group performances.

306. **Scene Design.** 3 hrs. Prerequisite: THE 200 or consent of instructor. Elements of stage design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

310. **Intermediate Acting.** 2 hrs. Continuation of THE 120.

315. **Voice for the Actor III.** 2 hrs. Prerequisites: THE 115 and THE 215 or permission from instructor. Vocal techniques for the singing actor.

320. **Directing.** 3 hrs. Prerequisites: THE 120 and 200.

330. **University Theatre.** 1 hr. Participation in the major theatrical productions of the department. May be repeated for a total of four hours.

331. **University Theatre.** 1 hr. A continuation of THE 330. May be repeated for a total of four hours.

341. **Opera Workshop.** 1 hr. A complete stage production of scenes and major productions from the Music Theatre repertoire.

342. **Opera Workshop.** 1 hr. A continuation of THE 341.

350. **Tap Dance for the Dance Major.** 2 hrs. Study of the various styles of tap including rhythm, jazz, and ballet forms. May be repeated twice for a total of six hours.

352. **Ballet Technique.** 3 hrs. Continuation and further enrichment of the technique of ballet at the intermediate level for the dance major. May be repeated for a total of six hours.

353. **Character Dance.** 2 hrs. Introduction to the study of European dance forms as used for theatrical presentations.

354. **Dance Production.** 1 hr. Developing an awareness and application of behind the stage skills in costume, lights, scenery, and theatre plant. May be repeated up to five times.

358. **Dance Technique and Theory.** 3 hrs. May be repeated for a total of six hours.

359. **Advanced Dance Composition.** 3 hrs.

361. **Stage Combat.** 2 hrs. Using fundamental techniques of fighting with or without weapons to create the illusion of combat for the stage. May be repeated one time.

362. **Movement Notation.** 2 hrs. Introduction to Sutton Movement Shorthand. Beginning reading and writing. First of a two semester sequence of instruction.

363. **Movement Notation.** 2 hrs. Continuation of THE 362.

401. **Costume Design.** 3 hrs.

410. **Stage Sound Engineering.** 2 hrs. Principles and practice in stage sound engineering.

411. **Advanced Oral Interpretation.** 2 hrs. Special problems related to the oral interpretation of poetry and prose.

412. **Stage Lighting.** 3 hrs. Theory and application of general and special lighting, color, instrumentation, and control.

414. **Creative Dramatics.** 3 hrs. Fundamentals of organizing and developing creative dramatics activities for preschool and elementary age school children.

415. **Fundamentals of Children's Theatre.** 3 hrs. Methods and techniques of producing plays for elementary school age children.

417. **Advanced Acting.** 3 hrs. Prerequisite: THE 120, 125, 310.

420. **Advanced Directing.** 3 hrs. Prerequisite: THE 320.

427. **Theatre History I.** 3 hrs.

428. **Theatre History II.** 3 hrs. A continuation of THE 427.

430. **Summer Theatre I.** 3 hrs. Concentrated applied theatre.

431. **Summer Theatre II.** 3 hrs. A continuation of THE 430.

435. **Advanced Scene Design.** 3 hrs. Prerequisite: THE 306 or consent of instructor. The techniques of scene design as applied to non-realistic stage settings.

440. **Ballet Technique.** 3 hrs. Continuation and further enrichment of the technique of ballet for the dance major. May be repeated for a total of six hours.

445. **Advanced Stage Lighting.** 3 hrs.

447. **Opera Workshop.** 1 hr. A continuation of THE 342.

448. **Opera Workshop.** 1 hr. A continuation of THE 447.

453. **Jazz Dance for the Dance Major.** 2 hrs. The study and application of the principles of jazz movement. May be repeated twice for a total of six hours.

455. **Dance Repertory.** 1 hr. May be repeated for a total of six hours.

458. **Dance Technique and Analysis.** 3 hrs. May be repeated for a total of nine hours.

459. **Musical Theatre Production.** 3 hrs. Study of the different froms and styles of Musical Theatre with special attention to the various elements of production.

460. **Costume Design Studio.** 3 hrs. Projects in designing costumes for plays, opera, and dance. Emphasis placed on costume designs as an element in a total production concept.

461. **Advanced Theatrical Makeup.** 3 hrs. Projects in makeup design and execution. Emphasis placed on three-dimensional makeup techniques for theatre, television, and film.

462. **Dance History I.** 3 hrs.

463. **Dance History II.** 3 hrs.

464. **Methods of Teaching Dance.** 3 hrs. A study of the philosophy, principles, and objectives of teaching dance. Includes observation and supervised teaching experiences.

465. **Music Resources for Dance.** 2 hrs. Studying and gathering of music resources for dance.

466. **Methods of Dance Lecture and Demonstration.** 3 hrs. Methods of preparing dance lecture-demonstrations and tours.

467. **Dance Curriculum and Organization Methods.** 3 hrs. Study of dance curriculum design and organization.

468. **Musical Theatre Dance.** 2 hrs.

470. **Senior Dance Production.** 3 hrs.

471. **Performance Internship.** 3 hrs. Professional experience in residence with approved professional organizations.

480. **Directing Children's Theatre.** 3 hrs. The techniques of directing, organizing, and administering a children's theatre program.

481. **Repertory Theatre.** 9 hrs. Participation in the analysis and preparation of the performances of three plays in repertory.

490. **Theatre Workshop.** 3 hrs. Designed for the non-theatre major (i.e., English, speech, music, etc.) who is responsible for directing school or community drama activities.

492. **Problems in Theatre.** 2 hrs. Prerequisite: Consent of instructor. May be repeated for a total of four hours.

THERAPY (THY—740)

411. **Seminar in Corrective Therapy.** 1 hr. An introductory seminar for students interested in careers in Corrective Therapy.

421. **Clinical Experience.** 1-4 hrs. arr. A supervised internship in various habilitation, rehabilitation, or neuropsychiatric clinics. May be repeated.

454. **Neurological and Pathological Concepts and Implications in Human Functions.** 3 hrs. A review of the central nervous system and pathology as related to muscular control and disease that limit normal human functioning.

461. **Corrective Therapy and Rehabilitation Medicine.** 2 hrs. An introduction to the basic concepts and considerations necessary for effective functioning in the clinical setting.

462. **Spinal Cord Injuries and Muscle Disorders.** 2 hrs. A review of normal and abnormal functioning of the motor pathways with emphasis on evaluation and rehabilitation of specific motor disorders and spinal cord injuries.

463. **Normal Human Locomotion.** 2 hrs. An indepth analysis of normal human locomotion and its impact on ambulation training, prosthesis gait deviations, and blind mobility training.

464. **Cardiovascular and Respiratory Disorders.**

471. **Accelerated Corrective Therapy Rehabilitation Ward Program.** 2 hrs. An introduction to the basic concepts and treatment procedures used in accelerated rehabilitation ward programs.

472. **Dynamics of Psychiatric Group Rehabilitation Programs.** 2 hrs. The complexities in directing neuropsychiatric group activities.

473. **Neuro-Psychiatric Geriatric Training.** 2 hrs. An introduction to the multiproblem areas of communication with motivating and treating the geriatric, neuropsychiatric patient.

474. **Programs for the Severly Disturbed Psychiatric Patient.** 2 hrs. An introduction to the problems of treating the psychiatric patient in a locked ward setting.

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